

# Twenty-first Annual Report


*of the*

University of Illinois  
Health Service

**1936-37**

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TWENTY-FIRST ANNUAL REPORT  
OF THE  
UNIVERSITY OF ILLINOIS  
HEALTH SERVICE  
1936-1937

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November 1, 1937

To the President of the University

Dear Sir:

I have the pleasure to submit herewith the Twenty-First Annual Report of the activities of the Health Service for the academic year, 1936-1937.

#### VISITS

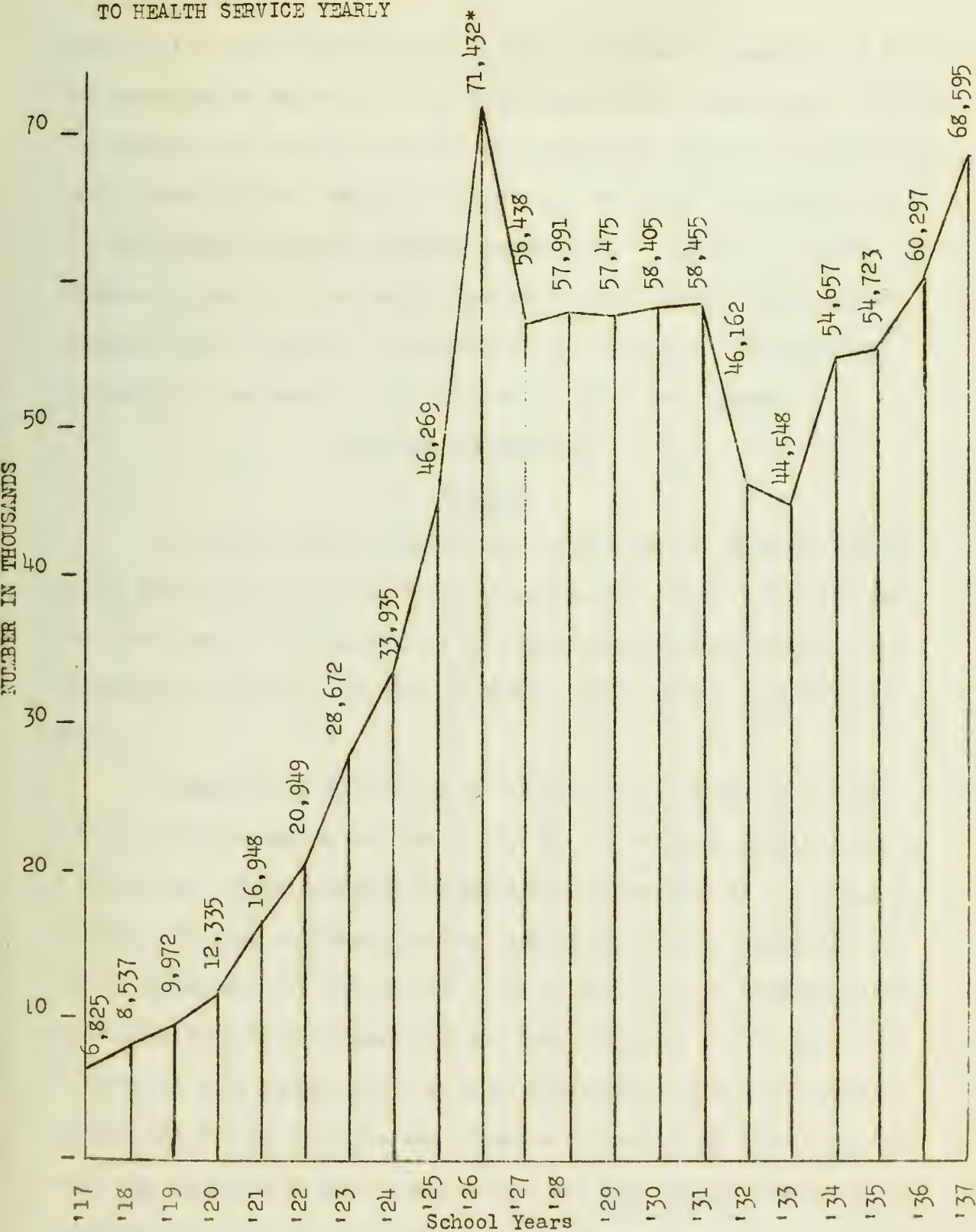
During the year the students made 66,933 visits to the Health Service Station and Civil Service employees 1,387. In addition there were 275 miscellaneous calls on University or other business, making a grand total of 68,595, the largest number of visits since the Health Service was established with the exception of the year 1925-1926 when a smallpox epidemic occurred in the University district. This includes 5,346 calls as a result of the required physical examination upon entrance, an increase of 14.6 per cent over the preceding year, and 3,871 for reexamination.

The number of visits per student registered was 5.3. The men of the class of 1940 called 17,796 times, an average of 6.75 times per man; the women, 7,522 or 5.32 visits per woman. In contrast, the upper-classmen called on an average of 4 times for the men and 5.76 times for the women. Freshman visits per capita are always higher than in the other classes because of the required physical examination, reexaminations, conferences in hygiene, and a greater predisposition of the younger group to illness. Freshmen, as a rule, are not as able to care for their health as are sophomores, juniors and seniors who know more about hygiene.

Visits to the Health Service Station increase with each



GRAPH SHOWING TOTAL VISITS  
TO HEALTH SERVICE YEARLY



\*Increase mainly due to smallpox epidemic.





additional student registered, with each new employee engaged, and with the extension of University work involving medical supervision. Preventive medicine and health education are inescapable factors in every University activity and largely influence the extent of the success of all its enterprises, whether academic, scientific, economic, or social. Increases in visits to the Health Service Station are inevitable unless morbidity rates decrease, protection to the health of the University population is reduced, or the University ceases development.

### MEDICAL EXAMINATIONS

#### I. Students

A total of 5,346 students was given complete physical examinations during the year, which was an increase of 684 or 14.67 per cent over last year. Of these, 3,764 were men and 1,582 were women, - an increase of 14.16 per cent for the former and 15.89 per cent for the latter.

Examinations were given to 478 prospective students who did not matriculate. About one out of 11.1 of the students examined did not register and this caused the University an expense of approximately \$120.00. Careful consideration has been given to this expenditure of effort and money, but there seems to be no way to avoid examining those who expect to become freshmen but for some reason do not do so. It is cheaper and more convenient to give an examination to each prospective student who presents himself and requests it during the summer than to defer the examination until registration and then employ outside physicians to take care of the peak load. The present procedure is also less likely to interfere with the machinery of registration.



Total Students Taking Physical Examinations  
and Number Who Failed to Matriculate  
for 9 year Period

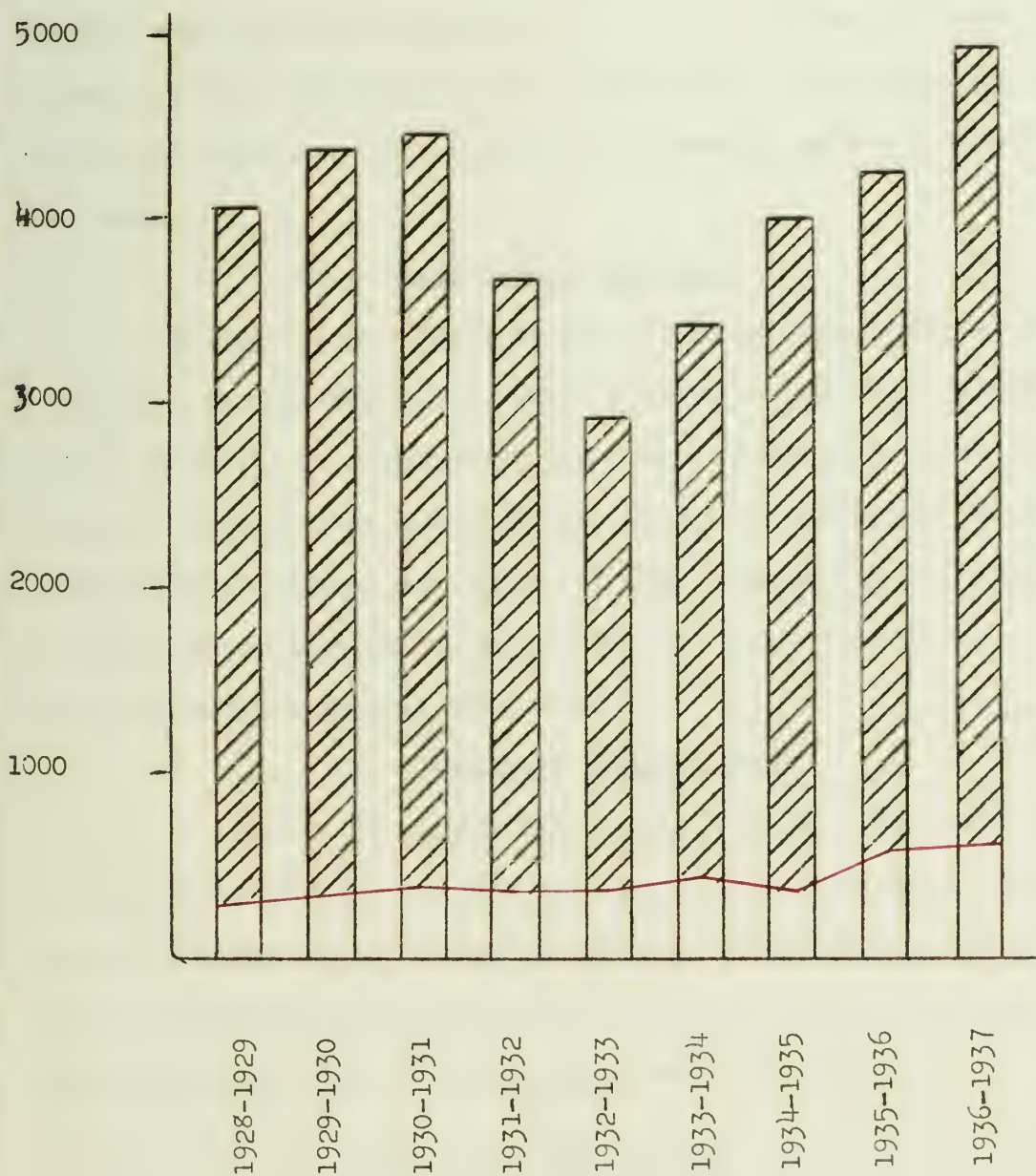


Chart No. II





## II. High School Pupils

At the beginning of the school year, 97 high school students were examined, an increase of 25.77 per cent. Of these, 58 or 59.79 per cent had had their tonsils removed. Of the total, 22.63 per cent had suffered severe injuries and 39.18 per cent were unvaccinated. The lack of vaccination is a sad commentary on the slowness of people even in a so-called "highly intellectual community" to take advantage of a well established protective measure to prevent disease, disfigurement and death.

## III. Civil Service Employees

During the year Civil Service employees made 1,387 calls to the Health Service Station, of which 125 were for physical examinations at the beginning of employment. These were graded as follows: 106 good, 18 fair, and one disqualified. Of the new employees, 117 of whom were men and 8 of whom were women, 17 were permitted to work subject to a waiver of possible claims against the University arising from defects revealed by their medical examinations.

## IV. Chauffeurs' Examinations

A total of 97 faculty members and employees who were to drive University automobiles was examined with special reference to their acuity of vision, color-blindness, hearing, reflex action, and their general health. Of these prospective drivers, 74 were normal and recommendations were made concerning the other 23 as follows:

Table I

Chauffeurs' Examinations	
To use University cars as little as possible	3
To have eyes examined	6
To have eyes re-examined and not to drive without glasses	2
Not to drive without glasses	12



## V. Supervision of Foodhandlers

Prospective employees who would handle food products, students employed as foodhandlers by the University, and those enrolled in courses in dairy manufacturing, lunch room management, and meat courses were examined to determine whether or not they had communicable disease or were disease carriers. Foodhandlers who had not been successfully vaccinated against smallpox within the last five years were re-vaccinated.

A careful history as to communicable disease, particularly typhoid fever and dysentery, was obtained in the case of each prospective foodhandler. If the employee or student gave a history of having or of having had a disease which might be transmitted through the handling of food or by eating and drinking utensils, appropriate bacteriological examinations were made. Tests to detect disease carriers were made as a routine, and all foodhandlers were immunized against typhoid fever in accordance with the University regulations.

In cooperation with Director Bracken of the Student Employment Bureau, 211 students were given foodhandler's examinations prior to their being certified to jobs as waiters, cooks, or dishwashers. This procedure strengthens very materially the safeguards against possible disease carriers becoming sources of epidemics.

The following table shows the number and distribution of the foodhandlers examined who were in the employ of and taking courses in the University:





<u>Distribution of Foodhandlers</u>	
Agriculture Salesroom	3
Women's Residence Hall	56
Dairy Department	138
Cafeteria, Women's Building	62
Davenport House	<u>10</u>
Total	269

The presidents and commissaries of all organized houses and the proprietors of all boarding clubs, lunch rooms, and refectories catering to student trade have been urged to give their patrons the same scientific protection against disease as that provided by the University for patrons of its food distributing agencies. Many houses and some eating places have responded to this advice and to the extent of their cooperation have increased the protection of the health of the University population and of the citizens of the Twin Cities.

The above cooperation was entirely voluntary and offered a considerable protection because not only were their disease carrier states determined, but the kitchen and dining room help were immunized against both typhoid fever and smallpox. This is an advantage to the student who has to support himself, to the community and to the group which he serves. These tests should be applied to foodhandlers of all lunch rooms catering to student patronage, but unfortunately there are no ordinances enforced in the two towns requiring a health standard for persons handling food.

#### VI. Educational Internes

At the request of Dean Benner and with the approval of the President the Health Service continued the examination of seniors in the University who were selected for their special promise as prospective teachers to serve as internes in education in some of the larger



high schools of the State. A total of 12 such students was given a complete physical examination and immunized against smallpox and typhoid fever, an increase of  $66 \frac{2}{3}$  per cent. Each received a certificate of his status of health and of his immunizations.

#### VII. Athletic Examinations

Prior to participation in athletics a total of 2,353 students was examined, of which 1,575 were men and 778 were women. In 245 instances it was necessary to recheck the physical condition of the students before they were finally certified or rejected for athletics. Of those wishing to participate in varsity sports, a total of 6 men was rejected permanently for the causes listed in the following table:

Table II  
Men Rejected for Varsity Athletics

	<u>Possible Nephritis</u>	<u>Injured Knee</u>	<u>Hyper- Tension</u>	<u>Hernia</u>	<u>Total</u>
Baseball	1				1
Gymnastics				1	1
Track				1	1
Wrestling	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>3</u>
Total	2	1	1	2	6

#### VIII. Student Car Permits

Upon the authorization of President Willard, the Health Service gave chauffeur examinations to all undergraduate students requesting permission to drive motor vehicles. A total of 756 students was examined with special reference to acuity of vision, color-blindness, hearing, reflex action, and general health. Of these prospective drivers, 701 were normal. The recommendations and observations made concerning the other 55 are as follows:





Chauffeurs' Examinations--Students

To have eyes examined	16
Not to drive without glasses	17
To have eyes reexamined and not to drive without glasses	8
Hazard to self and community	1
Impairment of hearing	4
Color-blind	2
Blind in right eye	1
Injury to eye	1
Functionless right hand	1
Defects of lower extremities (Poor function, ankylosis, injury, amputation, use of braces)	<u>4</u>
Total	55

"FOLLOW-UP"

I. University Students

Of the 5,346 new students examined 2,296 men and 888 women were recalled for conference and advice concerning their conditions. This total includes 1,828 who were reexamined with special reference to their defects. Whenever students were found to have abnormalities, they were advised to consult their family physicians, dentists, or specialists. It is gratifying to note that many students had had their defects of vision and their teeth treated between the time they were examined and their registration.

In addition to the regular physical examination 2,470 men and 893 women filled out personal hygiene questionnaires which were rather complete inventories of their health habits and mental attitudes. A conference was had with each student concerning any deviation from the normal, and his physical condition and mental health were carefully considered and discussed with him on the basis of his questionnaire and medical record.



## II. Tuberculosis

Notwithstanding the great progress made in controlling the ravages of tuberculosis during the last three decades, it is still the leading cause of death in adolescent and early adult life. It is a serious menace to health, a destroyer of the socially promising, and a killer of many of the potentially most valuable.

During the year four students were found to have open tuberculosis and the disease in a moderately advanced form, - a stage in which the likelihood of their being ultimately of service to the state is largely doubtful. Ten matriculants had arrested tuberculosis, and six tuberculosis of the bones. Those who were found to have the disease in the active form are undergoing treatment in sanatoria or at their homes under the direction of specialists.

A total of 44 students, 35 men and 9 women, have been under close observation as having possible tuberculosis. Under proper nutrition and a hygienic regime of rest, recreation, and work all of them have gone through the school year without showing signs of a progressing tuberculosis. Fortunately, many of them have gained in weight and vigor and will be removed from the list of "suspects."

At the time of the medical examination on entrance, 347 students gave a history of tuberculosis in their immediate families. Of the men examined, 419 or 11.13 per cent were below the minimum requirements of the War Department for weight and development for their ages. Of the women, 72 or 4.55 per cent were of fair development only. A considerable portion of these "substandards" are the type which usually





show an increased predisposition to tuberculosis. Many of them have been under prolonged observation while on campus.

The threat of tuberculosis at Illinois is intensified by a large number of the students having to work to support themselves. Where individuals work as well as go to college, they often get insufficient sleep and exercise more or less rigid economy in eating. Such practice is a predisposing factor to tuberculosis since it tends to combine fatigue, under-nutrition, and lack of recreation in lowering individual resistance. Happily, most of such students are no worse for their experience, but tuberculosis not infrequently appears in some of them before graduation or waits until shortly after the student has graduated to make him a total loss.

Experience shows that when four students are discovered with a moderately well-developed tuberculosis by physical examination or laboratory tests of the sputum, there are most likely ten times that number present with a very early active form of the disease which is unrecognized. Many such individuals only await an influenza, measles, pneumonia, recurring colds or other lowering of their resistance to be found with clearly developed tuberculosis, most likely sufficiently advanced to warrant the prognosis that 60 to 75 per cent will probably die within the next five years.

It is difficult, therefore, to overestimate the value of the earliest possible diagnosis of tuberculosis both for the sake of its victims and for the good of society. When discovered promptly, the disease is readily amendable to treatment, in most instances without



loss of time from school; but the longer the delay in uncovering it and the easier the diagnosis, the greater are the risks to the patient's associates, the more extensive is the involvement of his lungs, the more prolonged the treatment, the worse the prognosis, the higher the mortality rate, and the larger is the financial loss to the state.

The eradication of tuberculosis in college students not only requires repeated physical examinations and the use of a well-taken medical history but tuberculin testing, X-ray study, and a "follow-up". Without the tuberculin test and the skiagram of the chest many early cases of tuberculosis will be missed until sufficiently advanced to make their cure doubtful, if not hopeless.

### III. Heart Disease

During the year 73 students were found to have organic heart disease or marked functional disturbances of the heart. They have been kept under observation, have been repeatedly examined, and a regime has been outlined to protect their hearts from unnecessary strain. Of these, 31 or 42.47 per cent were excused from military and regular physical education and were assigned to adaptive gymnastics to receive suitable exercise. A total of 9 students had suffered so much cardiac damage as to make the requirement of physical education an unwarranted risk. They were permanently excused.

The heart disease found in adolescent and early adult life is largely the sequel of acute rheumatic fever, or streptococcic infection often associated with one of the diseases of childhood.

Students are classified as to the condition of their hearts





on the basis of the usual methods of physical diagnosis and the taking of blood pressure. A number of them should have the benefit of an electrocardiograph. By an electrocardiogram it is possible to make a more nearly accurate differentiation between the cardiac normals and abnormals. By the use of this instrument many students who fear "heart trouble" could be assured with a large degree of confidence that they are free from organic heart disease.

#### IV. Albuminurias

A total of 263 freshmen was found to have albuminuria on first examination. Their cases were carefully studied and repeated tests made to determine whether or not their conditions were pathological. The albuminuria was persistent in 19 or 7.22 per cent. Members of this group were referred to their family physicians or to urologists for further study and treatment. Those requiring it were excused from military and physical education and assigned to adaptive exercise for their protection.

Four Civil Service employees at the time of their physical examinations were found to have transient albuminuria. Of the 97 University High School students examined, six had the same condition.

#### V. Glycosurias

Of the 4,662 students given a urinalysis 23 were found to have alimentary glycosuria and five diabetes. One of the University High School students and one Civil Service employee had sugar in the urine due to excessive consumption of sweets.

#### VI. Maladjustment

A sustained effort has been made during the year to discover students who were maladjusted. Every member of the class of 1940



has had one or more conferences with a member of the Health Service staff. Students subject to "blues" or worry, with a history of a "nervous breakdown," had a tendency to be "shut-in," or were having difficulty in becoming adjusted to college life were repeatedly seen and in cooperation with other University agencies were helped to find themselves.

A total of 3363 personal hygiene questionnaires was studied and a conference was held with each student. This procedure has been helpful in determining the physical and mental health of students, their housing conditions and their adjustment to them.

### COMMUNICABLE DISEASE

#### I. Prevalence

The occurrence of communicable disease during the academic year reflected quantitatively and qualitatively the morbidity rates of the State and country. In Table III are given the communicable disease cases reported in the student body during the year.

Table III  
Communicable Disease Cases  
in the Student Body

Coryza	1225
Coryza (hospitalized)	324
Scarlet fever	24
Mumps	91
Vincent's Angina	24
Chickenpox	2
Tuberculosis	4
Infantile paralysis	2
Diphtheria	5
Erysipelas	1
Measles	1
Typhoid fever	1
Meningitis	1
Total	<u>2205</u>



Incidence of Mumps in the Student Body  
1936-37

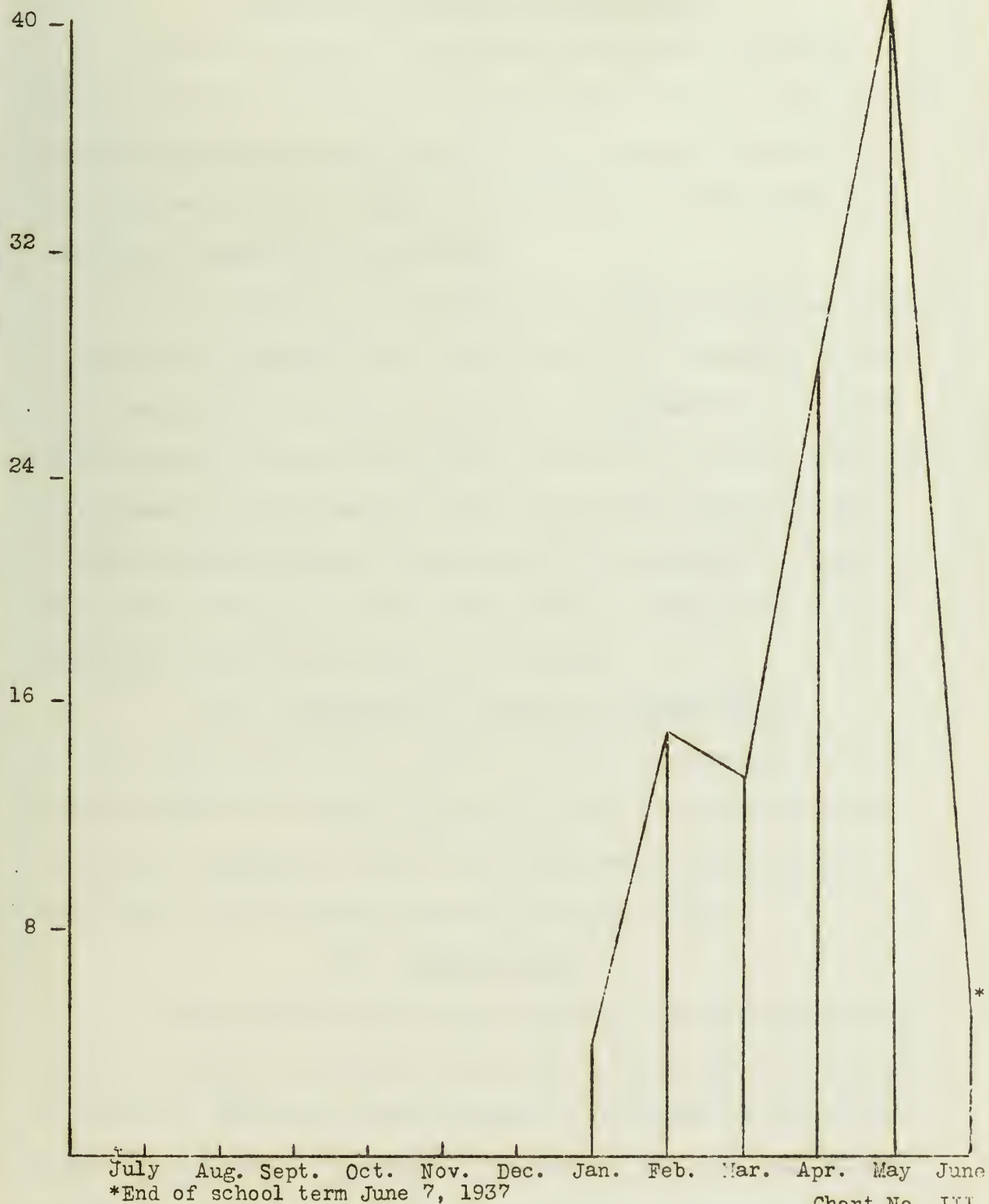


Chart No. III







## II. Modified Quarantine for Scarlet Fever

With the approval of the Director of the State Department of Health and with the cooperation of local health officers, the procedure for dealing with students exposed to scarlet fever in the Twin Cities was continued in order to reduce to the minimum compatible with safety the loss of time from the classroom.

Under this plan all exposures were required to present either a certificate of scarlet fever or of a Dick test. Students whose Dick tests were negative were released immediately and permitted to attend classes without further restrictions; those who had positive Dick tests were allowed to go to classes provided they reported each morning at the Health Service Station for observation before doing so. Under it 205 students with positive tests were saved 1230 school days or the equivalent of one school year for six students.

## III. Certificates of Immunity to Scarlet Fever

Of the 443 students exposed to scarlet fever during the year 200 had negative tests, 205 positive tests, and 38 scarlet fever certificates. The filing of these certificates saved students 2.696 school days or 3.12 college careers of four years each.

## IV. Hospitalization

McKinley Hospital admitted 80 students with quarantinable communicable disease for a total of 1011 days or an average of 12.64 days per patient. While these cases represent a very small portion of the students cared for at the McKinley Hospital the fact that each student had an average stay of 12.64 days indicates the influence of fixed



periods of isolation on hospital days. As will be noted in Table IV, mumps were responsible for 59 or 73.75 per cent of the cases and 572 or 56.57 per cent of the hospital days.

Table IV  
Communicable Disease Cases Cared for  
at McKinley Hospital

<u>Disease</u>	<u>Cases</u>	<u>Days</u>
Mumps	59	572
Scarlet fever	14	386
Chickenpox	2	20
Measles	3	6
Diphtheria	<u>2</u>	<u>27</u>
Totals	80	1011

#### V. Contacts

A total of 1,369 students was exposed to communicable disease other than influenza and coryza, an increase of 22.57 per cent over last year. Of these, 127 were held in quarantine as required by law, 297 were permitted to attend classes under daily observation, and 835 had been exposed to diseases requiring no isolation or had certificates of immunization.

#### VI. Venereal Disease

The incidence of venereal disease in the student body, which has always been low, showed a very marked decrease in those observed, both as a result of voluntarily calling and of a follow-up on the basis of reports. Part of this decrease can be attributed to the activities of public officials, social agencies, and interested citizens in conducting a campaign of education and suppression of prostitution. In all, 19 students were found to have gonorrhea and 3 syphilis. This is a rate of 1.53 per thousand for the former and .24 for the latter. In addition, two





Civil Service employees were found to have syphilis.

#### VII. Kahn Tests

A total of 139 members from 3 fraternities requested Kahn tests to determine whether or not they had syphilis. The action taken by these organized groups induced other students to ask for and receive the same examination. Of 597 Kahn tests given this year 6 were positive. Such group and individual action is indicative of the growing consciousness towards the prevention and control of venereal disease.

#### VIII. Faculty and Civil Service Employees

The number of cases of communicable disease in the families of the faculty and Civil Service employees showed a marked increase over last year. A total of 35 cases was reported during the year, of which 5 were chickenpox, 9 scarlet fever, 15 mumps, 1 rubella, 2 Vincent's Angina, 2 typhoid fever and 1 smallpox. The wife of a member of the University staff died of typhoid fever presumably acquired from a carrier through the mediation of improper disposal of excreta and flies.

### CO-OPERATION WITH THE DEPARTMENTS OF MILITARY AND PHYSICAL EDUCATION

#### I. Permanent Classification

It was necessary last year to assign 333 men and 52 women to Individual Gymnastics for special training. Because of marked physical abnormalities or organic diseases 10 students were classified as unable to take either Physical Education or Military. Of these, one had marked organic heart disease, two had arrested tuberculosis, one was badly paralyzed, two had amputated extremities, one diabetes, one osteomyelitis, one obesity due to endocrinal dysfunction and one poliomyelitis.

A total of 99 students was permanently excused from Military





because of their failure to meet the minimum requirements of the Medical Department of the Army. Thirty students who were below the minimum physical requirements for commission but who desired to take Military were assigned to it. Their physical conditions were such that they could undergo training without undue risk.

## II. Temporary Excuses

In the course of the year 251 men students were given temporary excuses from Military, Physical Education, or both: 211 from Military and Physical Education, 21 from Military only, and 40 from Physical Education. They had undergone recent operations, were convalescent, or had lost so much time on account of illness that they were unable to complete satisfactorily the work for the semester.

A total of 399 recommendations was issued to students whose physical conditions made it desirable for them to change from one course in Physical Education to another or to modify their required exercise. Students who had sinusitis, infections of the middle ear, or perforation of the ear drum were transferred from swimming to a form of exercise less likely to cause them trouble. By such transfers those with ringworm of the feet or who had undergone operations were able to take exercise with a minimum of risk or injury and with maximum protection to their associates against infection.

## III. Advanced Corps Students

At the request of the Military Department, the Health Service administered 333 doses of vaccine to 111 students to immunize them against typhoid fever. Those students who were unvaccinated against



smallpox and those whose scars were more than five years old were re-vaccinated preparatory to going to camps of the Reserve Officers Training Corps. The laboratory of the Health Service made 687 urinalyses upon students who were being given special examinations by members of the Medical Corps of the Army for advanced military work.

### HOSPITALIZATION

#### 1. The Student Body

In a body of 12,430 students, hospital facilities are an important problem. A total of 2,794 students was admitted to the McKinley Hospital for 9,848 days which is an average of 3.52 days per patient. This means that 22.49 per cent or one out of every 4.45 students enrolled was hospitalized at the University Hospital, which is quite a contrast with sixteen years ago when only about one student in forty was admitted to the hospital during one academic year and the average stay was 7.45 days instead of 3.52 days as at present. The rising morbidity rate in the country at large is clearly reflected in an increase of 11.92 per cent in patients admitted and 9.72 per cent in hospital days.

#### II. Local Hospitals

The Burnham and Mercy Hospitals admitted 287 students for a total of 1835 days or an average of 6.57 days per patient. The average length of stay in these local hospitals is considerably longer than that in the student hospital because of the fact that the latter does not admit patients known to require surgery, more particularly major surgery. During the past year students remained on an average of about two and three-quarters days longer in the local than in the University Hospital.



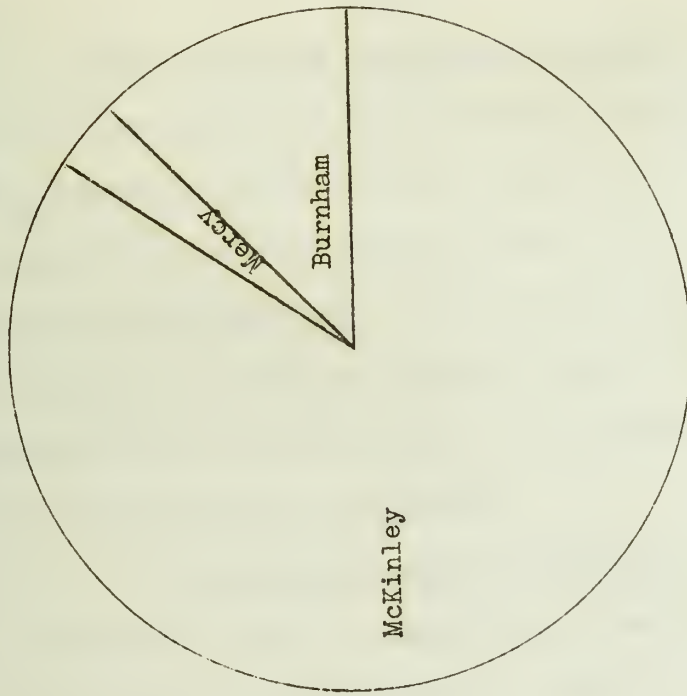


DISTRIBUTION OF HOSPITAL  
CASES DURING  
1936 - 1937



<u>Hospital</u>	<u>Cases</u>	<u>Per Cent</u>
McKinley	2,794	91.0
Burnham	228	7.1
Mercy	59	1.9

DISTRIBUTION OF TOTAL  
NUMBER OF HOSPITAL DAYS  
1936 - 1937



<u>Hospital</u>	<u>Days</u>	<u>Per Cent</u>
McKinley	9,848	84.0
Burnham	1,521	12.9
Mercy	364	3.1

Chart No. IV

THE UNIVERSITY OF CHICAGO  
LIBRARY

THE UNIVERSITY OF CHICAGO  
LIBRARY



1



2

THE UNIVERSITY OF CHICAGO  
LIBRARY  
113-8  
113-8  
113-8  
113-8

### III. Needs of the Student Hospital

Of all the students hospitalized 90.69 per cent were admitted to McKinley Hospital and only 9.31 per cent to other hospitals. Although the latter had the benefit of 16.07 per cent of the student patronage in hospital days, the University Hospital still had 83.93 per cent. The burden of caring for the student body falls mainly on the McKinley Hospital, entirely upon it in the presence of an epidemic. For such a situation its bed capacity is inadequate.

### IV. Voluntary Hospital Association

The hospitalization of students has been very much improved through the able and energetic campaign to increase membership in the Association. By this increase it has been possible to control communicable disease better, to prevent the occurrence of epidemics by getting students isolated and giving them prompt treatment.

Students, faculty members, and employees joining the voluntary Mutual Hospital Association during the first semester numbered 7500 and the second semester 6,013, which were respectively 63.53 per cent and 54.69 per cent of the student enrollment of each semester, 1936-1937. Less students join the Hospital the second than the first semester. This is regrettable since the morbidity rate is usually higher in winter and early spring.

### V. Civil Service Employees

As a result of accidents 9 University employees were hospitalized for a total of 79 days or an average of 8.78 days per patient. Because of 2 serious injuries the average stay is 3 days higher than last year.



### THE GENERAL PRACTITIONER AND THE HEALTH SERVICE

The medical staff of the Health Service has had the most helpful cooperation of local and other physicians in caring for students. A total of 487 letters has been received concerning the physical condition of students who are or have been patients of these doctors. Family physicians have certified that 12 students were immune to smallpox as a result of having had the disease, 97 had been successfully vaccinated against smallpox, 13 had had typhoid fever, 78 had been inoculated against typhoid fever, and 3 had been immunized against diphtheria; 4 had been immunized against scarlet fever, 202 had had scarlet fever, and 457 had been given the Dick test.

A total of 3,081 students was admitted to local hospitals during the academic year. Of this number 520 went directly from the Health Service Station and 2,561 were sent to the hospitals by the local doctors themselves. The students who went to the hospitals from the Health Service Station exercised their inalienable right of selecting their own physician by choosing 59 different doctors.

### STUDENT DEATHS

I deeply regret to report that five students died during the year. Of these deaths, two were caused by automobile accidents, one by an accidental explosion, and two from streptococcemia.

### INSTRUCTION IN HYGIENE

#### I. Elementary Hygiene

For the first semester elementary hygiene and sanitation was taught to 1,715 students, of which 1,225 were men and 490 were





women. The registration for the second semester was 1,242 men and 403 women, a total of 1,645. The total registration in elementary hygiene was 3,360 or an increase of 10.12 per cent over that of last year. In all there were 23 sections for the men and 8 for the women each semester.

## II. Advanced Hygiene

The advanced course in hygiene for coaches, physical education majors and teachers had a total registration for the year of 141 students. During the first semester the enrollment was 30 students, in the second 111.

## III. Hygiene X3

In cooperation with the director of University Extension Service a correspondence course in hygiene has been offered which had a registration of 23 students. The quality of the work so far presented by those taking it is most satisfactory.

## IV. Proficiency Examinations

A total of 94 students passed the proficiency test in hygiene and received credit in it. The distribution by colleges and geographically of those who passed the proficiency test the past year is given in Tables V. and VI .



Table V  
Distribution by Colleges of Those  
Passing Proficiency Examinations in Hygiene

<u>College</u>	<u>No. Passing</u>
Liberal Arts and Sciences	46
Commerce	23
Engineering	15
Agriculture	8
Fine and Applied Arts	<u>2</u>
Total	94

Table VI  
Geographical Distribution of Those Passing  
Proficiency Examinations in Hygiene

Illinois

<u>County</u>	<u>No. Passing</u>	<u>County</u>	<u>No. Passing</u>
Alexander	1	Massac	1
Cass	1	McHenry	1
Champaign	28	Montgomery	1
Clay	1	Moultrie	1
Cook	18	Peoria	2
DeWitt	1	Piatt	1
Douglas	2	Pike	1
DuPage	2	Pope	1
Fayette	1	Putman	1
Iroquois	1	Richland	1
Jefferson	1	Sangamon	2
Kane	2	Stark	1
LaSalle	1	St. Clair	2
Lawrence	1	Vermilion	4
Livingston	1	Wayne	1
Madison	1	Winnebago	2
		Total	<u>86</u>
	<u>Out of State</u>		

Connecticut	1	Ohio	1
Delaware	1	Pennsylvania	1
Indiana	1	Wisconsin	<u>1</u>
New Jersey	2		8
		Total Passing	<u>94</u>





LABORATORY SERVICE

As a part of the routine work of the Health Service various laboratory services were given the students and Civil Service employees. In many instances these tests were essential either in making effective the regulations of the University concerning foodhandlers or in diagnosing and controlling communicable disease.

Table VII  
Laboratory Tests

Urinalyses	9768
Widal tests	1673
Diphtheria cultures	359
Bacteriological examinations of excreta	624
Kahn tests	597
Wasserman tests	124
Sputum examinations	98
Smears from the urethra	65
Basal metabolism tests	43
X-ray examinations	16
Blood examinations (white cells)	65
Eye cultures	10
Agglutination tests for undulant fever	1
Smears for Vincent's Angina	98

Table VIII  
Positive Laboratory Tests

Widal tests	105
Smears for Vincent's Angina	44
Smears from urethra for gonorrhea	14
Throat swabs for diphtheria	11
Kahn tests for syphilis	6
Sputum examinations for tuberculosis	3

FIRST AID

A total of 111 first aid cabinets is being maintained in the various buildings on campus. They are much used and are visited weekly or twice weekly, depending upon their location, to replace supplies as needed.



It has been customary for a number of years for members of the Health Service staff upon request to attend certain University functions in order to render first aid necessary. This service was given at the Electrical Engineering Show, the Physical Education Tournaments, and the Commencement Exercises.

In cooperation with other departments the offices of the Health Service were also made available in emergencies to guests of the University. Its facilities were offered to those attending Farm and Home Week, 4-H Club Conventions and short courses given by the University.

### SANITATION

The Health Service has endeavored to insure students with as safe and sanitary living conditions as possible. Complaints have been investigated to determine the cleanliness and healthfulness of the environment in which they live. Unsanitary conditions and fire hazards have been reported to the proper local authorities, and lack of tidiness and cleanliness has been called to the attention of landladies and proprietors. Immediate attention has been given to daily reports which were received concerning the conditions of the swimming pools and the water supply. Whether on or off the campus, the Health Service has endeavored to stimulate improvement in the living conditions of the students.

#### I. Lodging House Inspection

A systematic inspection of fire hazards and sanitary conditions in lodging houses has been made during the year. Suggestions and recommendations were made by the inspectors to the landladies, and notices of fire hazards, insanitation, and nuisances were sent to the proper local





authorities. In the following table are shown the inspections made.

Lodging Houses Inspected			
	<u>Organized</u>	<u>Unorganized</u>	<u>Total</u>
Total houses	97	437	534
For men	62	359	421
For women	35	78	113
Dormitories	130	167	297
Rooms	1476	2048	3524
Student occupants	3119	3877	6996

As will be noted from the above table, only about one-half of the student population was included in this inspection. This is partially explained by the fact that a number of students live with their parents in neighboring towns and others living in Champaign-Urbana do not reside within the Student district.

In a student population of 12,430 a wide variation in living conditions is not surprising. Table IX shows that the greater part of the students live under favorable conditions and only a very small per cent are in rooms classed by student inspectors as poor.

In 12 per cent of the study rooms and dormitories of the inspected houses there was need for more attention to ventilation. In most instances, lack of care rather than defects in construction was the reason for unsatisfactory conditions. About 20 per cent of the study rooms was classed as untidy, 39 per cent of the basements as fair and 17 per cent as poor. Most of these were well within the range of quick improvement by the efforts of students and the landlady.





Table IX  
Sanitary Conditions of Lodging Houses

	<u>Organized Houses</u>				<u>Unorganized Houses</u>			
	<u>Exc.</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Exc.</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>
Study rooms								
Cleanliness and tidiness	53	1104	296	23	352	1487	258	51
Ventilation		1283	193		13	1746	276	14
Bathrooms								
Cleanliness	2	90	5		67	340	27	3
Dormitories								
Cleanliness	15	92	22	1	29	88	45	5
Basements								
Cleanliness and tidiness	4	54	31	8	31	213	128	61
Yards								
Condition	16	77	4		52	327	43	7

In unorganized houses the conditions of the basements and bathroom facilities were not as good as in organized houses. Out of 437 independent houses, 64 had inadequate bathroom equipment; only 18 of the 97 organized houses were defective in this respect. A number of the unorganized houses are old buildings in which the plumbing fixtures have not been altered since their construction.

In making the inspections of lodging houses special attention was given to:

- |                 |                  |
|-----------------|------------------|
| 1. Study rooms  | 7. Heating       |
| 2. Bed clothing | 8. Humidity      |
| 3. Furniture    | 9. Lighting      |
| 4. Bathrooms    | 10. Basements    |
| 5. Dormitories  | 11. Cleanliness  |
| 6. Ventilation  | 12. Fire hazards |

The most common danger found in student lodging houses is the putting of waste paper and other inflammable materials near furnaces where a single spark could start a fire; the careless disposal of cigarette stumps is a close second. Electric wires are frequently run under rugs



or hung over nails and are potential sources of fires and risks to life. Another unnecessary dangerous practice is the storing of ashes in paste-board or wooden containers. In Table X are shown the hazards from improper storage of ashes as well as the number of houses lacking the protection afforded by fire extinguishers.

Table X  
Fire Hazards

	<u>Organized</u>	<u>Unorganized</u>	<u>Total</u>
Ashes stored in			
Metal containers	65	240	305
Wooden containers	10	132	142
Both	3	22	25
On the floor	8	13	21
No provision necessary	11	22	33
Houses without fire extinguishers		68	68

ORAL EXAMINATIONS AND INTERVIEWS  
FOR THE STATE CIVIL SERVICE COMMISSION

Members of the Health Service staff on the request of the State Civil Service Commission have conducted examinations of nurses, supervisors of nurses, assistant superintendent of the McKinley Hospital, and health educational experts. A total of approximately 100 applicants was examined at Chicago and Urbana.

REQUESTS FOR INFORMATION

Forty-one citizens of the State have requested information on various aspects of public health, and approximately 90 bulletins and pamphlets have been sent to them. A dozen or more requests were received for reprints of articles by members of the department and for copies of forms used by the Health Service.

Respectfully submitted,

*J. Howard Beard M. D.*

J. Howard Beard, M. D.  
University Health Officer









TWENTY--FIRST ANNUAL REPORT

APPENDIX A









# APPENDIX A

Table I

## TYPES OF MEDICAL ATTENTION TO STUDENTS AND EMPLOYEES

	<u>1935-1936</u>	<u>1936-1937</u>
Advice in case of illness	3210	2801
First aid in injury and infection	3489	3468
Sent to hospital	579	573
Referred to specialist	2015	1713
Urinalyses	8841	9768
Complete physical examination of students and employees	4857	5471

Table II

## MONTHLY DISTRIBUTION OF VISITS

	<u>Student</u>		<u>Civil Service</u>		<u>Total</u>
	<u>Men</u>	<u>Women</u>	<u>Men</u>	<u>Women</u>	
July	1070	819	138	23	2050
August	1548	573	183	2	2306
September	9641	2077	124	2	11844
October	5346	2397	70	14	7827
November	4586	1726	58	16	6386
December	3946	1925	105	7	5983
January	3501	1640	77	6	5224
February	3802	1670	111	0	5583
March	4068	1887	119	7	6081
April	4604	2018	68	9	6699
May	4393	1643	108	7	6151
June	1191	862	128	5	2186
Totals	47,696	19,237	1,289	98	68,320

Table III

## CLASSIFICATION OF INJURIES TO CIVIL SERVICE EMPLOYEES FOR FIVE YEARS

	<u>1932-1933</u>	<u>1933-1934</u>	<u>1934-1935</u>	<u>1935-1936</u>	<u>1936-1937</u>
Abrasions			17	13	12
Amputations		1			
Accident, automobile (death) 1					
Avulsion		1			
Bites	2	1			2
Blisters		1			1
Broken bones			3	2	
Bruise		6	1	5	7



Table III (cont'd)

	<u>1932-1933</u>	<u>1933-1934</u>	<u>1934-1935</u>	<u>1935-1936</u>	<u>1936-1937</u>
Burns, acid	1	3	6	8	5
other	2	9	4	3	8
Contusions	23	15	7	39	21
Concussion				1	
Dislocations			25		
Excoriations		2		1	2
Finger nail torn loose	1	1	1		1
Flashed eye	1			1	
Foreign body, eye	11	11	11	10	17
Fractures	6	5	5		7
Gas inhaled	1		1		2
Heat stroke				1	2
Hernia		1	2	6	3
Incisions					
Infections	3	5	2		9
Inflammations		1	3	1	2
Injuries		7	8	4	
Lacerations			33	27	32
Lacerations, incisions, abrasions and puncture wound	43	51			
Muscle soreness		2	2	1	
Pain			1		
Phlebitis		1			
Poisoning		1			
Poison Ivy			5	6	1
Puncture wound			1		9
Rabies virus on skin					
Rupture varicosity		1			
Sliver and splinter	3	9	4	5	5
Sprain and strain	12	10	14	21	11
Torn ligament	1				2

Table IV

LABORATORY EXAMINATIONS

	<u>Positive</u>	<u>Negative</u>	<u>Total</u>
Widal test for typhoid fever	105	1568	1673
Feces for typhoid fever	2	132	134
Feces-urine for typhoid fever	3	483	486
Sputum for tuberculosis	3	95	98
Kahn test for syphilis	6	591	597
Throat cultures, diphtheria	11	348	359
Smear, Vincent's angina	44	54	98
Agglutination test for undulant fever	0	1	1
Agglutination test for tularemia	0	0	





Table IV (cont'd)

	<u>Positive</u>	<u>Negative</u>	<u>Total</u>
Urethral smears	14	51	65
Feces for amebic dysentery	0	0	0
Smear for tuberculosis	0	0	0
Malaria blood smear	0	0	0
Gonococcus fixation blood	0	124	124
Feces; no endamoeba histolytica	0	0	0
X-ray examinations			123
Blood examinations (white cells)			65
Basal metabolism test			52
Eyo Cultures	7	3	10

Table V

CASES CARED FOR AT MCKINLEY HOSPITAL

	<u>Communicable</u>		<u>Non-Communicable</u>		<u>Total</u>	
	<u>Cases</u>	<u>Days</u>	<u>Cases</u>	<u>Days</u>	<u>Cases</u>	<u>Days</u>
July	0	0	0	0	0	0
August	0	0	0	0	0	0
September	0	0	133	273	133	273
October	0	0	374	1085	374	1085
November	1	21	268	906	269	927
December	4	40	347	1170	351	1210
January	4	20	452	1568	456	1588
February	11	132	293	1003	304	1135
March	12	175	342	1143	354	1318
April	21	221	241	736	262	957
May	25	339	231	809	256	1148
June	2	63	33	144	35	207
Total	80	1011	2714	8837	2794	9848

Table VI

AVERAGE HOSPITAL STAY  
Percentage of Students Using Hospitals

<u>Year</u>	<u>Average Hospital Stay</u>	<u>Percent of Students Using Hospitals</u>
1931-1932	4.07	15.8
1932-1933	4.1	11.9
1933-1934	3.91	15.3
1934-1935	3.65	24.6
1935-1936	3.89	24.3
1936-1937	3.81	24.8



Table VII

CASES CARED FOR AT MCKINLEY HOSPITAL

<u>Disease</u>	<u>1934-1935</u>		<u>1935-1936</u>		<u>1936-1937</u>	
	<u>Cases</u>	<u>Days</u>	<u>Cases</u>	<u>Days</u>	<u>Cases</u>	<u>Days</u>
Chickenpox	3	33	10	106	2	20
Diphtheria	1	13	0	0	2	27
Influenza	599	2050	533	1804	304	1217
Malaria	0	0	0	0	0	0
Measles	24	124	2	8	3	6
Mumps	7	72	20	180	59	572
Pneumonia	0	0	6	103	5	105
Rubella	342	1179	0	0	0	0
Scarlet fever	19	498	28	699	14	386
Total	995	3969	599	2900	389	2333

Table VIII

ELEMENTARY HYGIENE

	<u>Number of Students</u>	<u>Number of Sections</u>
Hygiene V		
Men, First Semester	1225	23
Men, Second Semester	1242	23
Hygiene II		
Women, First Semester	490	8
Women, Second Semester	403	8

ADVANCED HYGIENE

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Hygiene X			
First Semester	25	5	30
Second Semester	99	12	111



Table IX

FAMILY HISTORY OF INHERITABLE DISEASES

	1939		1940				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Apoplexy	.97	2.71	48	1.29	25	1.62	73	1.39
Cancer	9.04	13.26	319	8.59	212	13.79	531	10.11
Goiter	4.91	9.23	162	4.36	114	7.41	276	5.26
Mental disturbances	.85	1.46	25	.67	24	1.56	49	.93
Diabetes	5.67	7.47	181	4.88	129	8.39	310	5.90
Epilepsy	.21	.15	13	.35	3	.19	16	.32
Kidney disease	2.52	3.52	75	2.02	78	5.07	153	2.91
Tuberculosis	4.52	9.01	204	5.49	139	9.04	343	6.53

Table X

INJURIES

	1939		1940				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Head	4.73	1.68	153	4.12	23	1.49	176	3.35
Chest	3.76	1.10	136	3.67	5	.32	141	2.67
Abdomen	1.06	.07	30	.81	2	.05	32	.61
Arm	11.83	5.13	582	15.68	77	5.01	659	12.17
Leg	6.61	4.76	313	8.43	38	2.47	351	6.71
Others	2.34	3.30	70	1.88	62	4.03	132	2.53

Table XI

OPERATIONS

	1939		1940				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Head								
Tonsils	43.71	52.53	1839	49.58	834	54.23	2673	50.92
Adenoids	35.58	30.33	1225	33.01	335	21.78	1560	29.72
Others	3.88	5.27	109	2.94	68	4.42	177	3.37
Chest	.76	.29	14	.38	1	.06	15	.29
Abdomen	7.1	10.62	356	9.59	164	10.66	520	9.91
Circumcision	19.5		783				783	19.5
Others	4.19	2.05	94	2.53	43	2.79	137	2.61





Table XII

USE OF TEA, COFFEE, AND TOBACCO

	1939		1940					
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Tea	20.87	42.64	929	25.03	714	46.42	1643	31.3
Coffee	46.22	48.2	1634	44.03	769	50.0	2403	45.78
Tobacco	35.94	29.45	1418	38.21	443	28.8	1861	35.45
None of the three	25.57	26.59	1229	33.12	392	25.51	1621	30.88

Table XIII

SLEEPING HABITS

	1939		1940					
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Under 6 hours	0.	.22	8	.23	11	.72	19	.37
6 to 7 hours	8.8	13.33	441	11.88	171	11.12	612	11.66
8 to 9 hours	86.05	82.49	3039	81.87	1239	80.56	4278	81.50
10 hours and over	5.16	3.96	224	4.03	117	7.60	341	6.47

Table XIV

STUDENTS GIVING HISTORIES OF TYPHOID FEVER

Class of 1927	5.15	Class of 1934	2.09
Class of 1928	4.86	Class of 1935	2.08
Class of 1929	4.08	Class of 1936	2.21
Class of 1930	3.72	Class of 1937	2.28
Class of 1931	2.79	Class of 1938	2.57
Class of 1932	2.83	Class of 1939	1.46
Class of 1933	3.02	Class of 1940	1.14

Table XV

RELATIVE OCCURRENCE OF CERTAIN DISEASES IN HISTORIES OF THE CLASS OF 1940

	1939		1940					
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Appendicitis	7.89	11.14	321	8.67	213	13.85	534	10.18
Asthma	2.09	6.01	65	1.78	38	2.47	103	1.96
Chickenpox	54.9	70.92	1805	48.64	1100	72.18	2905	55.34
Chorea	.12	.51	7	.19	5	.33	12	.23
Constipation			39	1.08	80	5.86	119	2.27



Table XV (cont'd)

	1939		1940				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Diabetes	.24	.15	9	.24	5	.33	14	.27
Diphtheria	6.61	6.01	207	5.58	87	5.66	294	5.60
Discharging ear	3.61	6.81	137	3.69	110	7.16	247	4.71
Dysentery	.52	.44	15	.40	7	.46	22	.42
Epilepsy	.06	.15	4	.11	0	0	4	.08
Heart trouble	2.49	2.86	112	3.02	57	3.71	169	3.22
Hay fever	6.73	5.20	213	5.74	102	6.63	315	6.00
Hernia (rupture)	2.34	.37	101	2.72	10	.66	111	2.11
Infantile paralysis	.82	.81	74	1.99	11	.72	85	1.62
Influenza	22.35	22.87	487	13.12	312	20.29	799	15.22
Kidney trouble	1.24	2.78	57	1.54	49	3.19	106	2.02
Malaria	2.34	22.	82	2.21	40	2.60	122	2.32
Measles	66.3	85.13	2962	79.82	1299	84.46	4261	81.18
German measles	23.35	34.43	772	20.80	522	33.94	1294	24.65
Meningitis	.02	.15	8	.22	3	.19	11	.22
Mumps	48.04	54.	1938	52.22	806	52.41	2744	52.28
Nervous breakdown	.61	1.68	23	.62	18	1.17	41	.78
Pleurisy	1.52	2.56	51	1.37	42	2.73	93	1.77
Pneumonia	8.04	10.11	345	9.29	203	13.2	548	10.44
Rheumatism	1.36	2.42	51	1.37	49	3.19	100	1.92
Scarlet fever	13.38	18.10	595	16.01	266	17.30	861	16.4
Sinusitis	3.52	3.	164	4.42	76	4.94	240	4.57
Smallpox	2.55	2.42	118	3.18	45	11.78	163	3.11
Tonsillitis			437	11.78	247	16.06	684	13.03
Trachoma	.06	0	2	.06	0	0	2	.04
Tuberculosis	.24	.29	7	.19	4	.26	11	.21
Typhoid fever	1.64	1.03	37	1.0	23	1.5	60	1.14
Undulant fever	.12	.07	4	.11	0	0	4	.08
Whooping cough	44.62	63.96	1799	48.48	977	63.52	2776	52.9
Others	2.64	0	379	10.21	39	2.54	418	7.98
Immunizations:								
Diphtheria	12.5	13.41	857	23.09	355	23.08	1212	23.09
Scarlet fever			383	10.32	187	12.16	570	10.86
Smallpox	70.46	80.81	2845	76.66	1143	74.64	3993	76.07
Typhoid fever	14.13	6.52	655	17.38	157	10.21	812	15.47
Tests:								
Schick			387	10.43	155	10.08	542	10.33
Dick			179	4.82	89	5.79	268	5.11

Table XVI

GENERAL DEVELOPMENT

	1939		1940				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Excellent	.82	3.96	31	.84	36	2.34	67	1.28
Good	79.56	87.69	3339	90.0	1430	92.98	4769	90.86
Fair	19.25	8.35	316	8.39	70	4.55	386	7.36
Poor	.36	0	25	.67	2	.13	27	.51





Table XVI (cont'd)

BUILD

	1939		1940				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Stocky	16.29	10.53	367	9.89	175	11.38	542	10.33
Medium	65.36	61.33	2708	72.97	736	47.85	3444	65.61
Slender	18.32	28.14	636	17.14	627	40.77	1263	24.06

Table XVII

COLOR OF EYES

	1939		1940				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Blue	43.86	36.41	1401	37.75	565	36.74	1966	37.45
Gray	5.67	6.01	388	10.48	147	9.55	535	10.19
Greenish	3.52	12.01	334	9.0	139	9.04	473	9.01
Hazel	8.49	12.23	353	9.51	178	11.57	531	10.12
Brown	37.52	32.16	1212	32.66	496	32.25	1708	32.54
Dark	.94	1.17	23	.60	13	.85	36	.69

Table XVIII

COLOR OF HAIR

	1939		1940				Total	
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Flaxen	8.74	6.6	276	7.44	149	9.69	425	8.09
Reddish	3.43	3.74	111	2.99	83	5.39	194	3.70
Light brown	22.96	27.33	749	20.16	459	29.84	1208	23.01
Brown	50.68	36.12	1463	39.42	450	29.26	1913	36.44
Dark brown	9.46	22.78	742	19.99	327	21.23	1069	20.36
Black	4.49	3.22	370	10.0	70	4.59	440	8.40
Gray	.24	.22						





Table XIX

TEETH

	1939		1940					
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Cavities	21.20	6.96	875	23.31	115	7.48	990	18.86
Absent	33.61	28.86	1612	43.44	368	23.29	1980	37.72
Need cleaning	14.38	2.49	793	21.37	25	1.63	818	15.58
Diseased gums	1.09	1.17	30	.81	31	2.02	61	1.16
No cavities								
none absent	11.86	63.74	1273	34.30	1076	70.0	2349	44.75
Teeth devital- ized	1.94	.44	286	7.71	13	.85	299	5.68

Table XX

ABNORMALITIES OF THE HEART

	1939		1940					
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Abnormalities			56	1.51	17	1.11	73	1.39
Irregular pulse	.24	.59	11	.30	4	.26	15	.29
Murmur								
Aortic	.76	.15						
Mitral	.06	.51						
Systolic	.9	.37						
Unclassified								

Table XXI

THYROID ENLARGEMENT

	1939		1940					
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Enlarged								
Slight	.36	14.73	20	.54	314	24.16	334	6.36
Moderate	0	1.68	0	0	41	2.67	41	.78
Marked	0	.59	0	0	0	0	0	0
Evidence of								
toxicity	0	.39	2	.05	2	.13	4	.08



Table XXII

CHEST AND LUNGS

	1939		1940					
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Lungs, abnormal	.67	0	17	.46	11	.71	28	.53
Chest								
Abnormal	87.7	4.32						
Flat			87	2.34	130	8.45	217	4.13
Funnel			17	.46	61	3.97	78	1.49
Pigeon			15	.40	35	2.28	50	.95

Table XXIII

CONDITION OF ABDOMINAL WALLS

	1939		1940					
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Abnormal	.06	.58	8	.22	14	.91	22	.42
Hernia	.76	.07	26	.70	4	.26	30	.57

Table XXIV

INCIDENCE OF ENLARGED LYMPH GLANDS

	1939		1940					
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Epitrochlear	4.37	1.9	75	2.02	4	.26	79	1.50
Axillary	10.37	.73	142	3.83	30	1.95	172	3.28
Cervical	9.95	22.71	207	5.58	258	16.78	465	8.86
Inguinal	24.6	5.64	663	17.87	49	3.19	712	13.56

Table XXV

HERNIA IN MEN

Class of 1929	1.51	Class of 1935	1.71
Class of 1930	1.35	Class of 1936	.71
Class of 1931	1.26	Class of 1937	1.19
Class of 1932	1.41	Class of 1938	1.16
Class of 1933	1.74	Class of 1939	.76
Class of 1934	1.30	Class of 1940	.70



Table XXVI

GENITO-URINARY ORGANS

	<u>1939</u> %		<u>1940</u> %
Testes			
Atrophied	.21	)	
Enlarged	.09	)	
Hydrocele	.91	)	Abnormal .70
Undescended	.03	)	
Varicocele	4.7	)	
Circumcision	37.67		23.76

Table XXVII

CRYPTORCHIDISM

Class of 1929	.75	Class of 1935	.48
Class of 1930	.71	Class of 1936	.28
Class of 1931	.38	Class of 1937	.32
Class of 1932	.60	Class of 1938	.43
Class of 1933	.32	Class of 1939	.03
Class of 1934	.70	Class of 1940	.29

Table XXVIII

URINALYSIS

	1939		1940				Total	
	Men	Women	Men		Women		No.	%
	%	%	No.	%	No.	%	No.	%
Acid	84.44	75.97	2970	80.03	1118	72.63	4088	77.83
Alkaline	9.68	18.83	728	19.62	333	21.65	1061	20.21
Neutral	5.64	5.20	13	.35	35	2.27	48	.91
Sugar	.42	.59	16	.43	12	.78	28	.53
Albumin	4.94	4.69	225	6.06	38	2.47	263	5.01





Table XXIX

GLYCOSURIA AND ALBUMINURIA OVER A PERIOD OF YEARS

	<u>Sugar</u>		<u>Albumin</u>	
	<u>Men</u>	<u>Women</u>	<u>Men</u>	<u>Women</u>
	<u>%</u>	<u>%</u>	<u>%</u>	<u>%</u>
Class of 1927	.04	.07	7.80	4.3
Class of 1928	.84	.41	3.10	.49
Class of 1929	.12	.07	3.75	.49
Class of 1930	.19	.60	7.33	4.4
Class of 1931	.58	1.86	5.71	2.75
Class of 1932	.06	.48	3.6	2.1
Class of 1933	.09	.85	2.62	1.44
Class of 1934	.21	.79	5.65	2.97
Class of 1935	.22	1.29	5.40	4.2
Class of 1936	.52	1.19	6.7	2.87
Class of 1937	.52	0	4.97	1.15
Class of 1938	.86	2.13	4.59	3.66
Class of 1939	.42	.59	4.94	4.69
Class of 1940	.43	.78	6.06	2.47

Table XXX

FOOT ABNORMALITIES

	1939		1940				Total	
	<u>Men</u>	<u>Women</u>	<u>Men</u>		<u>Women</u>		<u>Total</u>	
	<u>%</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>	<u>No.</u>	<u>%</u>
Long arches								
1st degree	11.92	32.16	291	7.84	428	27.83	719	13.7
2nd degree	5.52	7.03	84	2.26	153	9.95	237	4.51
3rd degree	2.46	1.98	40	1.08	32	2.08	72	1.37
Anterior arches	14.47	7.47	382	10.29	160	10.4	982	18.71
Abnormalities of feet	2.21	2.2	0	0	56	3.64	56	1.07



Table XXXI

FOOT ABNORMALITIES OVER A PERIOD OF YEARS

	<u>Long Arches</u>				<u>Anterior Arches</u>			
	<u>1st Degree</u>		<u>2nd Degree</u>		<u>3rd Degree</u>			
	<u>Men</u>	<u>Women</u>	<u>Men</u>	<u>Women</u>	<u>Men</u>	<u>Women</u>	<u>Men</u>	<u>Women</u>
	%	%	%	%	%	%	%	%
Class of 1930	16.49	33.63	14.41	14.47	4.8	5.27	24.79	45.3
Class of 1931	15.82	29.78	11.35	33.22	3.28	11.	20.25	23.18
Class of 1932	18.4	17.5	10.9	27.8	2.5	19.8	27.1	27.5
Class of 1933	9.99	17.3	7.74	17.17	1.33	5.94	15.23	42.17
Class of 1934	19.5	11.68	9.73	9.3	2.03	1.51	22.31	28.41
Class of 1935	15.9	19.2	9.5	8.7	1.08	1.6	19.6	35.9
Class of 1936	18.3	36.4	9.5	10.0	.99	2.18	28.3	29.
Class of 1937	14.3	32.9	7.1	12.3	2.4	2.72	22.2	34.
Class of 1938	15.82	25.21	6.98	7.84	2.36	1.68	18.98	20.49
Class of 1939	11.92	32.16	5.52	7.03	2.46	1.98	14.47	7.47
Class of 1940	7.84	27.83	2.26	9.95	1.08	2.08	10.29	39.01

Table XXXII

SPINE ABNORMALITIES

	1939		1940					
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Kyphosis	1.43	1.25	29	.78	101	6.57	130	2.48
Lordosis	3.61	5.13	109	2.94	182	11.83	291	5.54
Scoliosis	2.61	4.91	81	2.18	116	7.54	197	3.75

Table XXXIII

NOSE ABNORMALITIES

	1939		1940					
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Spur	4.64	.15	163	4.39	6	.39	169	3.22
Deviated septum	17.50	9.6	504	13.58	184	11.96	688	13.11
Atrophied	.27		11	.30	1	.06	12	.23
Hypertrophy	7.07	2.05	317	8.54	153	9.95	470	8.95



Table XXXIV

THROAT ABNORMALITIES

	1939		1940					
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Tonsils								
Removed	49.2	56.26	1729	46.59	885	57.54	2614	49.80
Tags	7.73	16.12	220	5.93	189	12.29	409	7.80
Pathological	14.13	10.84	537	14.47	144	9.36	681	12.97

Table XXXV

PERCENTAGE OF STUDENTS WITH TONSILS REMOVED OVER A PERIOD OF YEARS

	Men	Women		Men	Women
Class of 1929	28.78	33.77	Class of 1935	45.4	52.2
Class of 1930	30.76	38.3	Class of 1936	44.	50.1
Class of 1931	35.77	42.42	Class of 1937	45.3	52.1
Class of 1932	37.3	37.2	Class of 1938	52.19	57.19
Class of 1933	42.48	45.56	Class of 1939	49.20	56.26
Class of 1934	42.41	41.1	Class of 1940	46.59	57.54

Table XXXVI

EARS

	1939		1940					
	Men	Women	Men		Women		Total	
	%	%	No.	%	No.	%	No.	%
Drum retracted	3.2	.29						
Perforated	.12	0	4	.11	4	.26	8	.15
Cerumen	7.49	10.04	314	8.46	137	8.91	451	8.59
Hearing abnormal	.52	.37	1	.03	6	.39	7	.13





Table XXXVII

EYES

	1939		1940				Total	
	Men	Women	Men		Women		No.	%
	%	%	No.	%	No.	%	No.	%
Abnormal								
Color vision	.19	0	21	.57	0	0	21	.19
Manifest astigmatism	53.2	24.76	276					
Refraction								
O.D. only	9.73	8.2	249	6.74	151	9.82	400	7.62
O.S. only	11.52	8.13	276	7.44	142	9.23	418	7.96
Both O.D. and O.S.	26.87	35.3	1155	31.10	438	28.48	1593	30.35
Corrected with glasses	8.49	34.8	342	9.22	541	35.11	883	16.82

Table XXXVIII

POSTURE

	Men		1940 Women		Total	
	No.	%	No.	%	No.	%
Restricted flexibility	5	.13	2	.13	7	.13
Excellent	12	.32	312	20.29	324	6.17
Good	3415	92.02	966	62.81	4381	83.46
Fair	204	5.49	248	16.12	452	8.61
Poor	80	2.16	12	.78	92	1.75

Table XXXIX

INCIDENCE OF HISTORY OF VENEREAL DISEASE

	Men		1940 Women		Total	
	No.	%	No.	%	No.	%
Gonorrhea	2	.05	0	0	2	.04
Syphilis	0	0	0	0	0	0
Chancroid	0	0	0	0	0	0



Table XL

INCIDENCE OF VACCINATION SCARS

	Men		1940 Women		Total	
	No.	%	No.	%	No.	%
Arm	3072	82.78	870	56.57	3942	75.1
Leg	10	.27	348	22.63	358	6.82
None	629	16.95	320	20.80	949	18.08

Table XLI

SKIN DISEASES

	Men		1940 Women		Total	
	No.	%	No.	%	No.	%
Acne	1252	33.74	521	33.87	1873	33.78
Mycosis	377	10.16	369	23.99	746	14.21
Other	21	.57	32	2.08	53	1.01









TWENTY-FIRST ANNUAL REPORT

APPENDIX B







## APPENDIX B

Table I

## SUMMARY OF MEDICAL HISTORIES

	<u>Men</u>	<u>Women</u>	<u>Class of</u> <u>Total</u> '40	<u>Class of</u> <u>Total</u> '39
Total number examined	3711	1538	5249	4662
Total number reexamined	2639	1199	3838	3394
Inherited diseases				
Apoplexy (family history)	48	25	73	69
Cancer ( " " )	319	212	531	479
Goiter ( " " )	162	114	276	288
Mental disturbances (family history)	25	24	49	48
Diabetes (family history)	181	129	310	289
Epilepsy ( " " )	13	3	16	9
Kidney disease (family history)	75	78	153	131
Tuberculosis (family history)	204	139	343	272
Birthplace				
Illinois	2671	867	3738	3444
Elsewhere	1040	471	1511	1218
Work for self-support during college	2108	325	2433	1755
Use laxatives frequently	155	130	285	246
Sleep				
Under 6 hours	8	11	19	3
6-7 hours	441	171	612	472
8-9 hours	3039	1239	4278	3963
10 hours and over	224	117	341	224
Habits				
Coffee	1634	769	2403	2182
Tea	929	714	1643	1270
Tobacco	1418	443	1861	1593
None of the three	1229	392	1621	1206
Age started smoking				
Younger than 10 years	0	0	0	8
10-15 years	66	46	112	174
15-20 years	1252	366	1628	1271
20-25 years	99	28	127	110
Over 25 years	1	6	7	11
Meals per day				
One	0	1	1	4
Two	53	86	139	115
Three	3635	1451	5086	4518
More than three	23	0	23	25
Weight the past year				
Gained	1427	439	1866	1609
Lost	325	242	567	565
Stationary	1959	857	2816	2488





Table I--Continued

	<u>Men</u>	<u>Women</u>	<u>Class of '40</u> <u>Total</u>	<u>Class of '39</u> <u>Total</u>
Easily fatigued	170	245	415	334
Subject to frequent colds in				
Nose	477	316	793	502
Throat	180	134	314	193
Lungs	46	31	77	44
When reading, bothered with				
Headaches	156	137	293	267
Blurring of vision	123	81	204	158
Burning of eyes	163	132	275	187
Squinting of eyes	89	68	157	121
Watering of eyes	105	62	167	131
Twitching of eyes	71	63	134	97
Persistently worry	124	75	199	186
Have the "blues"	150	128	278	237
Injuries				
Head	153	23	176	179
Chest	136	5	141	139
Abdomen	30	2	32	36
Arm	582	77	659	460
Leg	313	38	351	283
Others	70	62	132	122
Operations				
Head				
Tonsils	1839	834	2673	2158
Adenoids	1225	335	1560	1587
Others	109	68	177	200
Chest	14	1	15	29
Abdomen	356	164	520	379
Circumcision	783		783	643
Others	94	43	137	166
Arches of feet painful	107	76	183	203
Possible reasons for not taking				
Physical education	119	91	210	245
Military science	157		157	184
Diseases had				
Appendicitis	321	213	534	412
Asthma	65	38	103	151
Chickenpox	1805	1100	2905	2778
Chorea	7	5	12	11
Constipation	39	80	119	
Diabetes	9	5	14	10
Diphtheria	207	87	294	300
Discharging ear	137	110	247	595
Dysentery	15	7	22	23
Epilepsy	4	0	4	4
Heart trouble	112	57	169	121
Hay fever	213	102	315	293



Table I--Continued

	<u>Men</u>	<u>Women</u>	<u>Class of</u> <u>Total</u> '40	<u>Class of</u> <u>Total</u> '39
Diseases had (cont'd)				
Hernia (rupture)	101	10	111	82
Infantile paralysis	74	11	85	38
Influenza	487	312	799	1041
Kidney trouble	57	49	106	79
Malaria	82	40	122	107
Measles	2962	1299	4261	3348
German measles	772	522	1294	1240
Meningitis	8	3	11	9
Mumps	1938	806	2744	2321
Nervous breakdown	23	18	41	43
Pleurisy	51	42	93	85
Pneumonia	345	203	548	403
Rheumatism	51	49	100	78
Scarlet fever	595	266	861	688
Sinusitis	164	76	240	157
Smallpox	118	45	163	117
Tonsillitis	437	247	684	
Trachoma	2	0	2	2
Tuberculosis	7	4	11	12
Typhoid fever	37	23	60	68
Undulant fever	4	0	4	5
Whooping cough	1799	977	2776	2344
Others	379	39	418	87
Immunizations				
Diphtheria	857	355	1212	595
Scarlet fever	383	187	570	
Smallpox	2845	1148	3993	3426
Typhoid fever	655	157	812	555
Tests				
Schick	387	155	542	
Dick	179	89	268	

Table II

SUMMARY OF PHYSICAL EXAMINATIONS

	<u>Men</u>	<u>Women</u>	<u>Class of</u> <u>Total</u> '40	<u>Class of</u> <u>Total</u> '39
Color of Hair				
Flaxen	276	149	425	378
Reddish	111	83	194	164
Light brown	749	459	1208	1130
Brown	1463	450	1913	2164
Dark brown	742	327	1069	623
Black	370	70	440	192
Gray				11

The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1900, in the several townships of the County of Cook, Illinois, at the annual election held on the 1st day of November, 1900.

# JUSTICES OF THE PEACE

TOWNSHIP	NAME	RESIDENCE	TERM
Aurora	J. H. Smith	Aurora, Ill.	1900-1902
Berwyn	Wm. J. Smith	Berwyn, Ill.	1900-1902
Chicago	J. H. Smith	Chicago, Ill.	1900-1902
Evanston	J. H. Smith	Evanston, Ill.	1900-1902
Franklin Park	J. H. Smith	Franklin Park, Ill.	1900-1902
Hoffman Estates	J. H. Smith	Hoffman Estates, Ill.	1900-1902
Lombard	J. H. Smith	Lombard, Ill.	1900-1902
Melrose Park	J. H. Smith	Melrose Park, Ill.	1900-1902
Northbrook	J. H. Smith	Northbrook, Ill.	1900-1902
Oak Park	J. H. Smith	Oak Park, Ill.	1900-1902
Riverside	J. H. Smith	Riverside, Ill.	1900-1902
Skokie	J. H. Smith	Skokie, Ill.	1900-1902
St. Charles	J. H. Smith	St. Charles, Ill.	1900-1902
St. Francis	J. H. Smith	St. Francis, Ill.	1900-1902
St. Ignace	J. H. Smith	St. Ignace, Ill.	1900-1902
St. Joseph	J. H. Smith	St. Joseph, Ill.	1900-1902

List of names of persons who have been elected to the office of Justice of the Peace for the year 1900, in the several townships of the County of Cook, Illinois, at the annual election held on the 1st day of November, 1900.

TOWNSHIP	NAME	RESIDENCE	TERM
Aurora	J. H. Smith	Aurora, Ill.	1900-1902
Berwyn	Wm. J. Smith	Berwyn, Ill.	1900-1902
Chicago	J. H. Smith	Chicago, Ill.	1900-1902

The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1900, in the several townships of the County of Cook, Illinois, at the annual election held on the 1st day of November, 1900.

Table II--Continued

	<u>Men</u>	<u>Women</u>	<u>Class of '40</u> <u>Total</u>	<u>Class of '39</u> <u>Total</u>
Color of Eyes				
Blue	1401	565	1966	1943
Gray	388	147	535	269
Greenish	334	139	473	280
Hazel	353	178	531	447
Brown	1212	496	1708	1676
Black	23	13	36	47
Vision abnormal				
Without glasses				
Both eyes	1155	438	1593	1370
Right eye (O.D.)	249	151	400	433
Left eye (O.S.)	276	142	418	471
Corrected with glasses	342	541	883	755
Color vision abnormal	21	0	21	6
Manifest astigmatism				2093
Ears				
Both ears				
Cerumen	314	137	451	384
Perforated drum	4	4	8	4
Hearing abnormal	1	6	7	22
Right ear				
Cerumen	112	82	194	154
Perforated drum	8	9	17	2
Hearing abnormal	9	7	16	1
Left ear				
Cerumen	76	72	148	120
Perforated drum	8	6	14	2
Hearing abnormal	4	5	9	6
Nose				
Spur	163	6	169	155
Deviation	504	184	688	708
Chronic hypertrophy	317	153	470	261
Atrophy	11	1	12	9
Tonsils				
Removed	1729	835	2614	2390
Tags	220	189	409	475
Pathological	537	144	681	614
Tooth				
No cavities or absent	1273	1076	2349	1261
Cavities	875	115	980	788
Absent	1612	368	1980	1502
Need cleaning	793	25	818	508
Devitalized	286	13	299	70
Gums diseased	30	31	61	52







Table II--Continued

	<u>Men</u>	<u>Women</u>	<u>Class of '40</u> <u>Total</u>	<u>Class of '39</u> <u>Total</u>
Weight				
Below 100 pounds	*	95		78
100-115		558		487
116-130		505		466
131-145		229		212
146-160		97		84
161-175		28		19
176-190		17		11
191 and over		9		8
Height	*			
Below 50 inches		0		0
50-59		52		35
60-62		441		324
63-65		756		682
66-68		264		295
69-71		25		29
72 and over		0		0
General Development				
Excellent	31	36	67	81
Good	3339	1430	4769	3820
Fair	316	70	386	749
Poor	25	2	27	12
Build				
Stocky	367	175	542	682
Medium	2708	736	3444	2991
Slender	636	627	1263	988
Skin				
Acne	1252	521	1873	1290
Mycosis	377	369	746	385
Other skin diseases	21	32	53	50
Vaccination scar				
Arm	3072	870	3942	3553
Leg	10	348	358	346
None	629	320	949	763
Chest				
Abnormal				82
Flat	87	130	217	
Funnel	17	61	78	
Pigeon	15	35	50	
Vertebral Column				
Kyphosis (stooped)	29	101	130	64
Lordosis (swayback)	109	182	291	189
Scoliosis (curvature)	81	116	197	153

\*See pages 50-52



Table II--Continued

	<u>Men</u>	<u>Women</u>	<u>Class of '40</u> <u>Total</u>	<u>Class of '39</u> <u>Total</u>
Posture				
Excellent	12	312	324	
Good	3415	966	4381	
Fair	204	248	452	
Poor	80	12	92	
Restricted flexibility	5	2	7	10
Incorrect				286
Lymph nodes				
Axillary	142	30	172	352
Cervical	207	258	465	638
Epitrochlear	75	4	79	170
Inguinal	663	49	712	888
Thyroid				
Enlarged				
Slight	20	314	334	213
Moderate	0	41	41	23
Marked	0	0	0	4
Evidence of toxicity	2	2	4	8
Lungs, abnormal	17	11	28	22
Heart				
Abnormal	56	17	73	71
Irregular pulse	11	4	15	16
Abdomen, abnormal	8	14	22	
Reflexes				
Patellar	42	29	71	44
Romberg	9	13	22	11
Pupillary	9	10	19	13
Penis, circumcised	1372			1242
Testes, abnormal	26			41
Menses				
Regular		1288		1142
Irregular		250		223
Pain, severe		267		272
slight		529		374
Varicocele, present	249			155
Hernia, present	26	4	30	26
Hemorrhoids, present	20	8	28	29
Flat feet				
Long arches				
1st degree	291	428	719	832
2nd degree	84	153	237	278
3rd degree	40	32	72	108
Anterior arches flat	382	600	982	779
Abnormalities	0	56	56	103
Had venereal disease				
Gonorrhea	2	0	2	13
Syphilis	0	0	0	1
Chancroid	0	0	0	



Table II--Continued

	<u>Men</u>	<u>Women</u>	<u>Class of</u> <u>Total</u> '40	<u>Class of</u> <u>Total</u> '39
Physical defects				
Amputations	12	4	16	24
Atrophies	20	5	25	14
Unusual scars	298	76	344	266
Deformities	36	20	56	53
Others				41
Urine				
Acid	2970	1118	4088	3821
Alkaline	728	333	1061	576
Neutral	13	35	48	257
Albumin				
Persistent	15	4	19	43
Transitory	210	34	244	184
Sugar				
Persistent	1	4	5	2
Transitory	15	8	23	20





SUBNORMAL DEVELOPMENT OF MEN STUDENTS  
AS DETERMINED BY MINIMUM STANDARDS  
OF THE WAR DEPARTMENT

	<u>Urban</u>	<u>Rural</u>	<u>Out-S</u>	<u>Grand Total</u>
Underheight and Underweight (under 64" and 120 lbs.)	20	8	12	40
Underheight (under 64"; 120 lbs. or over)	17	9	10	36

<u>Height</u>	<u>Weight</u>	<u>Chest at Expiration</u>	<u>Satisfactory</u>				<u>Underdev. Chest</u>			
			<u>Urban</u>	<u>Rural</u>	<u>Out-S</u>	<u>Total</u>	<u>Urban</u>	<u>Rural</u>	<u>Out-S</u>	<u>Total</u>
64	120	30	58	15	4	77	0	0	0	0
65	121	30	95	50	22	167	3	0	0	3
66	122	30 $\frac{1}{4}$	173	79	46	298	0	0	0	0
67	124	30 $\frac{1}{2}$	249	114	52	415	1	0	0	1
68	126	30 $\frac{3}{4}$	358	134	85	577	2	0	0	2
69	128	31	312	115	62	489	2	0	0	2
70	130	31 $\frac{1}{4}$	317	104	68	489	4	0	0	4
71	133	31 $\frac{3}{4}$	240	88	49	377	4	0	0	4
72	138	32 $\frac{1}{4}$	132	43	18	193	3	0	0	3
73	143	32 $\frac{3}{4}$	44	12	17	73	1	0	0	1
74	148	33 $\frac{1}{2}$	22	9	9	40	1	0	0	1
75	155	34 $\frac{1}{4}$	2	4	5	11	0	0	0	0
76	161	34 $\frac{3}{4}$	5	1	1	7	0	0	0	0
77	168	35 $\frac{1}{4}$	1	1	0	2	0	0	0	0
78	175	35 $\frac{3}{4}$	0	0	0	0	0	0	0	0
80	194		1			1				
<u>Totals</u>			2009	769	438	3216	21	0	0	21



SUBNORMAL DEVELOPMENT OF MEN STUDENTS  
AS DETERMINED BY MINIMUM STANDARDS  
OF THE WAR DEPARTMENT  
(cont'd)

<u>Height</u>	<u>Weight</u>	<u>Chest at Expiration</u>	<u>Underweight</u>				<u>Underdev. Chest and Underweight</u>			
			<u>Urban</u>	<u>Rural</u>	<u>Out-S</u>	<u>Total</u>	<u>Urban</u>	<u>Rural</u>	<u>Out-S</u>	<u>Total</u>
64	120	30	9	9	6	24	1	1	1	3
65	121	30	24	12	7	43	5	0	1	6
66	122	$30\frac{1}{4}$	22	11	12	45	4	0	1	5
67	124	$30\frac{1}{2}$	25	7	9	41	2	1	0	3
68	126	$30\frac{3}{4}$	30	23	11	64	1	0	0	1
69	128	31	20	14	5	39	3	0	1	4
70	130	$31\frac{1}{4}$	29	7	2	38	4	0	0	4
71	133	$31\frac{3}{4}$	13	9	2	24	3	0	0	3
72	138	$32\frac{1}{4}$	17	4	1	22	5	0	0	5
73	143	$32\frac{3}{4}$	7	1	2	10	3	0	0	3
74	148	$33\frac{1}{2}$	2	1	1	4	0	0	0	0
75	155	$34\frac{1}{4}$	3	0	0	3	1	0	0	1
76	161	$34\frac{3}{4}$	0	0	0	0	1	0	0	1
77	168	$35\frac{1}{4}$	1	0	0	1	0	0	0	0
78	175	$35\frac{3}{4}$	0	0	0	0	1	0	0	1
<u>Totals</u>			202	98	58	358	34	2	4	40



SUBNORMAL DEVELOPMENT OF MEN STUDENTS  
AS DETERMINED BY MINIMUM STANDARDS  
OF THE WAR DEPARTMENT  
(cont'd)

<u>Height</u>	<u>Weight</u>	<u>Chest at Expiration</u>	<u>Urban</u>	<u>Grand Rural</u>	<u>Totals Out-S</u>	<u>Total</u>
64	120	30	68	25	11	104
65	121	30	127	62	30	219
66	122	$30\frac{1}{4}$	199	90	59	348
67	124	$30\frac{1}{2}$	277	122	61	460
68	126	$30\frac{3}{4}$	391	157	96	644
69	128	31	337	129	68	534
70	130	$31\frac{1}{4}$	354	111	70	535
71	133	$31\frac{3}{4}$	260	97	51	408
72	138	$32\frac{1}{4}$	157	47	19	223
73	143	$32\frac{3}{4}$	55	13	19	87
74	149	$33\frac{1}{2}$	25	10	10	45
75	155	$34\frac{1}{4}$	6	4	5	15
76	161	$34\frac{3}{4}$	6	1	1	8
77	168	$35\frac{1}{4}$	2	1	0	3
78	175	$35\frac{3}{4}$	1	0	0	1
80	194	0	1	0	0	1
Totals			2266	869	500	3635









TWENTY-FIRST ANNUAL REPORT

APPENDIX C









# APPENDIX C

## CIVIL SERVICE EXAMINATIONS

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Total number examined	117	8	125
Married	87	3	90
Widower, widow	2	1	3
Single	28	4	32
Age			
Under 20 years	1	1	2
20 - 29 years	44	3	47
30 - 39 years	27	0	27
40 - 49 years	30	3	33
50 years and over	15	1	16
Inheritable diseases			
Tuberculosis	12	0	12
Cancer	4	2	6
Neurasthenia	0	0	0
Epilepsy	1	0	1
Others	4	1	5
Birthplace			
Illinois	82	2	84
Elsewhere	35	6	41
Injuries			
Head	4	0	4
Chest	4	1	5
Abdomen	2	0	2
Arm	8	0	8
Leg	11	0	11
Others	0	0	0
Operations			
Head			
Tonsils	20	3	23
Adenoids	10	1	11
Others	6	0	6
Chest	1	0	1
Abdomen	13	0	13
Circumcision	5		5
Vaccinations			
Typhoid fever	30	0	30
Smallpox	116	4	120
Age of vaccination scar			
Under 10 years	58	0	58
10 - 20 years	43	2	45
Over 20 years	15	1	16
Sleep			
Under 6 hours	0	0	0
6 - 7 hours	14	1	15
8 - 9 hours	99	7	116
10 hours and over	4	0	4



	<u>Men</u>	<u>Women</u>	<u>Total</u>
Habits			
Tea	34	0	34
Coffee	81	5	86
Tobacco	88	1	89
Alcohol	16	1	17
Drugs	0	0	0
None of above	9	2	11
Diseases had			
Measles	102	6	108
Rubella	11	0	11
Mumps	84	4	88
Chickenpox	62	4	66
Whooping cough	74	4	78
Scarlet fever	13	2	15
Typhoid fever	9	2	11
Diphtheria	4	1	5
Meningitis	0	0	0
Malaria	5	0	5
Smallpox	6	1	7
Pneumonia	9	0	9
Asthma	0	0	0
Pleurisy	2	2	4
Rheumatism	7	2	9
Tonsillitis	11	0	11
Chorea	0	0	0
Influenza	37	3	40
Otitis media	0	0	0
Gonorrhea	4	0	4
Syphilis	0	0	0
Chancroid	2	0	2
Constipation	5	1	6
Dysentery	2	0	2
Appendicitis	8	0	8
Neurasthenia	0	0	0
Poliomyelitis	0	0	0
Tuberculosis	0	0	0
Glasses	31	2	33
Others	2	0	2

#### Summary of Physical Examinations

Weight			
Below 100 lbs.	0	0	0
100 - 115 incl.	5	1	6
116 - 130	19	1	20
131 - 145	33	4	37
146 - 160	29	1	30
161 - 175	14	1	15
176 - 190	13	0	13
191 and over	4	0	4



	<u>Men</u>	<u>Women</u>	<u>Total</u>
Height			
Below 50 inches	0	0	0
50 - 59 incl.	0	0	0
60 - 62	2	0	2
63 - 65	23	6	29
66 - 68	52	2	54
69 - 71	35	0	35
72 and over	5	0	5
Color of Eyes			
Blue	62	1	63
Gray	10	1	11
Greenish	4	0	4
Hazel	11	2	13
Brown	29	4	33
Dark	1	0	1
Color of Hair			
Flaxen	0	0	0
Reddish	3	0	3
Light brown	25	1	26
Brown	51	4	55
Dark brown	20	3	23
Black	11	0	11
Gray	7	0	7
Teeth			
No cavities or absent	20	3	23
Cavities	41	2	43
Absent	83	3	86
Need cleaning	56	0	56
Devitalized	3	1	4
Gums diseased	28	0	28
General Development			
Excellent	1	0	1
Good	95	8	103
Fair	21	0	21
Poor	0	0	0
Nutrition			
Thin	24	0	24
Average	87	8	95
Obese	6	0	6
Build			
Stocky	22	1	23
Medium	63	7	70
Slender	32	0	32
Appearance			
Healthy	111	8	119
Borderline	6	0	6
Unhealthy	0	0	0
Nervous	1	0	1
Alert	116	8	124
Apathetic	0	0	0





	<u>Men</u>	<u>Women</u>	<u>Total</u>
Skin			
Dry	0	2	2
Moist	117	6	123
Acne	14	0	14
Other skin diseases	4	2	6
Vaccination scar			
Arm	113	2	115
Leg	0	2	2
None	4	4	8
Thyroid			
Enlarged	2	2	4
Evidence of toxicity	1	0	1
Chest, abnormal	0	0	0
Lymph glands			
Cervical	6	0	6
Axillary	3	0	3
Inguinal	11	0	11
Epitrochlear	1	0	1
Lungs, abnormal	1	0	1
Heart			
Irregular pulse	0	0	0
Enlarged	0	0	0
Murmur, aortic	1	0	1
mitral	2	0	2
systolic	4	0	4
Abdomen			
Rigid	0	0	0
Relaxed	2	1	3
Abnormal			
Liver	0	0	0
Spleen	0	0	0
Kidneys	0	0	0
Knee jerk	1	0	1
Hernia, present	10	0	10
Hemorrhoids, present	6	1	7
Penis, circumcised	17		
Testes, atrophied	1		
enlarged	0		
undescended	0		
hydrocele	1		
varicocele	6		
Vertebral column			
Kyphosis	2	1	3
Lordosis	9	1	10
Scoliosis	1	0	1
Incorrect posture	7	2	9
Restricted flexibility	0	0	0
Flat feet			
Long arches			
1st degree	14	1	15
2nd degree	1	3	4
3rd degree	0	0	0
Anterior arches flat	12	3	15



	<u>Men</u>	<u>Women</u>	<u>Total</u>
Nose			
Spur	1	0	1
Deviation	11	0	11
Chronic hypertrophy	6	1	7
Atrophy	0	0	0
Adenoids, present	1	0	1
Tonsils,			
Removed	21	3	24
Tags	3	0	3
Pathological	4	2	6
Ears			
Right ear			
Cerumen	6	0	6
Drum retracted	0	1	1
Perforation	0	0	0
Hearing abnormal	0	1	1
Left ear			
Cerumen	4	0	4
Drum retracted	0	0	0
Perforation	1	0	1
Hearing abnormal	1	0	1
Both ears			
Cerumen	9	0	9
Drum retracted	0	0	0
Perforation	0	0	0
Hearing abnormal	0	0	0
Eyes			
Right eye			
Abnormal lids	1	0	1
Conjunctiva	0	0	0
Abnormal pupils	0	0	0
Fundus	1	0	1
Left eye			
Abnormal lids	0	0	0
Conjunctiva	0	0	0
Abnormal pupils	0	0	0
Fundus	0	0	0
Both eyes			
Abnormal lids	1	0	1
Conjunctiva	0	0	0
Abnormal pupils	0	0	0
Fundus	0	0	0
Vision abnormal without glasses			
Both eyes	47	3	50
Right eye (O.D.)	6	0	6
Left eye (O.S.)	2	0	2
Corrected with glasses	7	3	10
Color vision abnormal	0	0	0
Manifest astigmatism	0	0	0



	<u>Men</u>	<u>Women</u>	<u>Total</u>
Urine			
Acid	96	6	112
Alkaline	20	2	22
Neutral	1	0	1
Albumin	4	0	4
Sugar	1	0	1
Grade			
Excellent	0	0	0
Good	112	8	120
Fair	5	0	5
Poor	0	0	0
Reexamination	24	8	32
Waiver required	17		17
Disqualified	1		1









TWENTY-FIRST ANNUAL REPORT

APPENDIX D









# APPENDIX D

## UNIVERSITY HIGH SCHOOL EXAMINATIONS

	<u>Men</u>	<u>Women</u>	<u>Total</u>
Total number examined	53	44	97
Total number reexamined	25	33	58
Inheritable diseases			
Apoplexy	1	1	2
Cancer	5	3	8
Goiter	6	2	8
Mental disturbances	1	0	1
Diabetes	5	5	10
Epilepsy	0	0	0
Kidney disease	2	0	2
Tuberculosis	2	3	5
Birthplace			
Illinois	37	31	68
Elsewhere	16	13	29
Work for self-support during school	7	0	7
Use laxatives frequently	3	9	12
Sleep			
Under 6 hours	0	0	0
6 - 7 hours	3	0	3
8 - 9 hours	25	18	43
10 hours and over	25	26	51
Habits			
Coffee	8	14	22
Tea	10	16	26
Tobacco	6	1	7
None of the three	32	17	49
Age started smoking			
Younger than 10 years	0	0	0
10 - 15 years	1	0	1
15 - 20 years	5	1	6
20 - 25 years	0	0	0
Over 25 years	0	0	0
Meals per day			
One	0	0	0
Two	0	1	1
Three	53	42	95
More than three	0	1	1
Weight the past year			
Gained	43	26	69
Lost	0	8	8
Stationary	10	10	20
Easily fatigued	7	4	11
Subject to frequent colds in			
Nose	6	2	8
Throat	1	1	2
Lungs	3	6	9



	<u>Men</u>	<u>Women</u>	<u>Total</u>
When reading, bothered with			
Headaches	7	5	12
Blurring of vision	0	3	3
Burning of eyes	3	2	5
Squinting of eyes	1	2	3
Watering of eyes	2	2	4
Twitching of eyes	0	2	2
Persistently worry	1	2	3
Have the "blues"	0	2	2
Injuries			
Head	2	0	2
Chest	2	0	2
Abdomen	0	0	0
Arm	10	2	12
Leg	2	0	2
Others	2	0	2
Operations			
Head			
Tonsils	29	29	58
Adenoids	18	13	31
Others	2	4	6
Chest	0	0	0
Abdomen	3	5	8
Circumcision	6		6
Others	0	1	1
Arches of feet painful	2	3	5
Possible reasons for not taking			
Physical Education	0	2	2
Diseases had			
Appendicitis	2	6	8
Asthma	3	1	4
Chickenpox	35	23	58
Chorea	0	0	0
Constipation	2	1	3
Diabetes	0	0	0
Diphtheria	3	1	4
Discharging ear	3	4	7
Dysentery	0	0	0
Epilepsy	0	0	0
Heart trouble	3	0	3
Hay fever	4	2	6
Hernia (rupture)	1	0	1
Infantile paralysis	0	1	1
Influenza	9	4	13
Kidney trouble	0	3	3
Malaria	0	0	0
Measles	42	31	73
Gorman measles	22	16	38
Meningitis	0	0	0
Mumps	32	14	46



	<u>Men</u>	<u>Women</u>	<u>Total</u>
Diseases had (cont'd)			
Nervous breakdown	0	0	0
Pleurisy	2	0	2
Pneumonia	7	4	11
Rheumatism	0	1	1
Scarlet fever	14	5	19
Sinusitis	6	0	6
Smallpox	2	6	8
Tonsillitis	6	6	12
Trachoma	0	0	0
Tuberculosis	0	1	1
Typhoid fever	1	0	1
Undulant fever	0	0	0
Whooping cough	36	29	65
Others	1	2	3
Immunizations			
Diphtheria	19	7	26
Scarlet fever	6	2	8
Smallpox	40	24	64
Typhoid fever	8	4	12
Tests			
Schick	10	3	13
Dick	10	1	11

Summary of Physical Examinations

Color of Hair			
Flaxen	12	7	19
Reddish	4	4	8
Light brown	14	10	24
Dark brown	3	6	9
Brown	15	16	31
Black	5	1	6
Color of Eyes			
Blue	27	15	42
Gray	4	6	10
Greenish	1	3	4
Hazel	4	3	7
Brown	17	16	33
Black	0	1	1
Vision abnormal			
Without glasses			
Both eyes	24	14	38
Right eye (O.D.)	4	4	8
Left eye (O.S.)	6	7	13
Corrected with glasses	5	9	14
Color vision abnormal	0	0	0
Manifest astigmatism	0	9	9





	<u>Men</u>	<u>Women</u>	<u>Total</u>
Ears			
Both ears			
Cerumen	5	4	9
Perforated drum	0	0	0
Hearing abnormal	0	0	0
Right ear			
Cerumen	0	3	3
Perforated drum	0	1	1
Hearing abnormal	0	0	0
Loft ear			
Cerumen	1	2	3
Perforated drum	0	0	0
Hearing abnormal	0	0	0
Nose			
Spur	0	0	0
Deviation	6	4	10
Chronic hypertrophy	4	4	8
Atrophic	0	1	1
Tonsils			
Removed	32	29	61
Tags	3	4	7
Pathological	3	6	9
Teeth			
No cavities or absent	30	23	53
Cavities	10	5	15
Absent	18	12	30
Need cleaning	7	1	8
Devitalized	1	1	2
Gums diseased	0	1	1
Weight			
Below 100 pounds		16	
100 - 115		12	
116 - 130		10	
131 - 145		5	
146 - 160		1	
161 - 175		0	
176 - 190		0	
191 and over		0	
Height			
Below 50 inches		0	
50-- 59		7	
60 - 62		19	
63 - 65		15	
66 - 68		3	
69 - 71		0	
72 and over		0	
General Development			
Excellent	1	3	4
Good	41	37	78
Fair	11	4	15
Poor	0	0	0



	<u>Men</u>	<u>Women</u>	<u>Total</u>
Build			
Stocky	5	3	8
Medium	35	16	51
Slender	13	25	38
Skin			
Acne	14	11	25
Mycosis	3	8	11
Other skin diseases	2	1	3
Vaccination scar			
Arm	35	14	49
Leg	1	9	10
None	17	21	38
Chest			
Flat	0	5	5
Funnel	1	0	1
Pigeon	0	0	0
Vertebral column			
Kyphosis	0	2	2
Lordosis	3	4	7
Scoliosis	0	0	0
Posture			
Excellent	1	7	8
Good	45	29	74
Fair	5	7	12
Poor	2	1	3
Restricted flexibility	0	0	0
Lymph nodes			
Axillary	3	2	5
Cervical	8	11	19
Epitrochlear	3	1	4
Inguinal	6	3	9
Thyroid			
Enlarged			
slight	0	5	5
moderate	0	1	1
marked	0	0	0
Evidence of toxicity	0	0	0
Lungs, abnormal	0	0	0
Heart			
Abnormal	0	0	0
Irregular pulse	0	0	0
Abdomen, abnormal	0	1	1
Reflexos			
Patellar	2	1	3
Romberg	0	0	0
Pupillary	0	2	2
Penis, circumcised	15		
Testes, abnormal	0		
Varicocelo, present	1		



	<u>Men</u>	<u>Women</u>	<u>Total</u>
Menses			
Not started yet		10	
Regular		27	
Irregular		7	
Pain, severe		0	
slight	0	9	
Hernia, present	0	0	0
Hemorrhoids, present		0	0
Flat feet,			
Long arches			
1st degree	5	12	17
2nd degree	2	4	6
3rd degree	0	2	2
Anterior arches flat	4	10	14
Abnormalities	0	1	1
Had venereal disease			
Gonorrhea	0	0	0
Syphilis	0	0	0
Chancroid	0	0	0
Physical defects			
Amputations	0	0	0
Atrophies	0	0	0
Unusual scars	1	3	4
Deformities	0	0	0
Urine			
Acid	45	29	74
Alkaline	8	8	16
Neutral	0	3	3
Albumin, persistent	0	0	0
transitory		1	
Sugar, persistent	0	0	0
transitory	2	1	3









TWENTY-FIRST ANNUAL REPORT

APPENDIX E









# CASES ENCOUNTERED DURING THE YEAR

Abdominal pain		34
Abscess		
Alveolar (gumboil)	21	
Tonsillar	1	
Unclassified	<u>9</u>	31
Achlorhydria		1
Acne		200
Adenitis		
Cervical	21	
Inguinal	2	
Unclassified	<u>55</u>	78
Adenoma		1
Adhesions		3
Albuminuria		
Accidental	180	
Unclassified	<u>251</u>	431
Allergy		17
Alopecia		1
Amenorrhea		9
Anemia		2
Angina		
Pectoris	1	
Vincent's	<u>32</u>	33
Ankylosis		1
Anorexia		2
Appendicitis		
Acute	8	
Chronic	24	
Unclassified	<u>57</u>	89
Arthritis		33
Asthma		27
Astigmatism		12
Autointoxication		29
Balanitis		3
Bites		
Animal	13	
Insect stings	<u>24</u>	37
Blepharitis		27
Bright's disease		1
Bromidrosis		10
Bronchitis		
Acute	73	
Chronic	4	
Unclassified	<u>310</u>	387
Bunion		13
Bursitis		51
Callosity		69
Carbuncle		5
Caries, dental		46
Catarrh		6

Run	Time	Temp	Pressure	Flow	Conc	Yield	Notes
1	10	100	100	100	100	100	Run 1
2	10	100	100	100	100	100	Run 2
3	10	100	100	100	100	100	Run 3
4	10	100	100	100	100	100	Run 4
5	10	100	100	100	100	100	Run 5
6	10	100	100	100	100	100	Run 6
7	10	100	100	100	100	100	Run 7
8	10	100	100	100	100	100	Run 8
9	10	100	100	100	100	100	Run 9
10	10	100	100	100	100	100	Run 10
11	10	100	100	100	100	100	Run 11
12	10	100	100	100	100	100	Run 12
13	10	100	100	100	100	100	Run 13
14	10	100	100	100	100	100	Run 14
15	10	100	100	100	100	100	Run 15
16	10	100	100	100	100	100	Run 16
17	10	100	100	100	100	100	Run 17
18	10	100	100	100	100	100	Run 18
19	10	100	100	100	100	100	Run 19
20	10	100	100	100	100	100	Run 20
21	10	100	100	100	100	100	Run 21
22	10	100	100	100	100	100	Run 22
23	10	100	100	100	100	100	Run 23
24	10	100	100	100	100	100	Run 24
25	10	100	100	100	100	100	Run 25
26	10	100	100	100	100	100	Run 26
27	10	100	100	100	100	100	Run 27
28	10	100	100	100	100	100	Run 28
29	10	100	100	100	100	100	Run 29
30	10	100	100	100	100	100	Run 30
31	10	100	100	100	100	100	Run 31
32	10	100	100	100	100	100	Run 32
33	10	100	100	100	100	100	Run 33
34	10	100	100	100	100	100	Run 34
35	10	100	100	100	100	100	Run 35
36	10	100	100	100	100	100	Run 36
37	10	100	100	100	100	100	Run 37
38	10	100	100	100	100	100	Run 38
39	10	100	100	100	100	100	Run 39
40	10	100	100	100	100	100	Run 40
41	10	100	100	100	100	100	Run 41
42	10	100	100	100	100	100	Run 42
43	10	100	100	100	100	100	Run 43
44	10	100	100	100	100	100	Run 44
45	10	100	100	100	100	100	Run 45
46	10	100	100	100	100	100	Run 46
47	10	100	100	100	100	100	Run 47
48	10	100	100	100	100	100	Run 48
49	10	100	100	100	100	100	Run 49
50	10	100	100	100	100	100	Run 50

Cauliflower ear		3
Cellulitis		51
Ceruminosis		328
Chalazion		1
Chapped		
Lips	6	
Skin	3	
Unclassified	<u>1</u>	10
Clavus		92
Colitis		69
Comedo		3
Concussion		1
Conduloma		1
Conjunctivitis		
Acute	49	
Chronic	2	
Unclassified	<u>150</u>	201
Constipation		91
Coryza		1225
Cough		26
Cramp		2
Curvature of spine (kyphosis)		1
Cyst		
Sebaceous	45	
Unclassified	<u>113</u>	158
Cystitis		10
Dandruff		6
Deafness		7
Dermatitis		
Chemical	8	
Exfoliativa	1	
Herpetiformis	5	
Occupational	1	
Medicamentosa	4	
Venonata	11	
Vesicular	1	
Unclassified	<u>212</u>	243
Deviation, nasal septum		19
Diabetes		2
Diarrhea		32
Dry skin		1
Dysentery		9
Dysmenorrhea		50
Dysuria		1
Ecchymosis		5
Eczema		19
Edema		18
Erythema		11
Enteritis		47



Epidermophytosis		12
Epididymitis		2
Epilepsy		1
Epistaxis		48
Empyema		1
Eustachian tube, obstruction of		2
Eustachitis		1
Excoriation		15
Exostosis		10
Fainting (syncope)		15
Fatigue		76
Fever		1
Fissure		
Anus	5	
Skin	5	
Unclassified	<u>11</u>	21
Fistula		1
Flat foot (pes planus)		31
Flatulence (intestinal gas)		5
Floating cartilage		2
Folliculitis		6
Frostbite		1
Furunculosis		512
Ganglion		6
Gas, cyanide		1
Gastritis		81
Gastroenteritis		42
Gingivitis		62
Glossitis		3
Glycosuria		4
Gonococcus infection		10
Granulated eye		3
Halitosis		1
Hay fever		14
Headache (cephalalgia)		80
Heat rash		15
Hematoma		9
Hematuria		3
Hemoptysis		1
Hemorrhage		15
Hemorrhoids		35
Hernia		
Femoral	1	
Inguinal	3	
Unclassified	<u>20</u>	24
Herpes		
Liabilis	33	
Simplex	29	
Zoster	12	
Unclassified	<u>19</u>	93



Hiccough		3
Hodgin's disease		1
Hordocolum		128
Hyperacidity		4
Hyperhidrosis		12
Hypermetropia		2
Hypertension		9
Hyperopia		3
Hyperplasia		1
Hypertrophy (turbينات)		1
Hypothyroidism		5
Hysteria		2
Impacted molar		51
Impetigo		
Contagiosa	27	
Unclassified	<u>136</u>	163
Indigestion		57
Inflammation		20
Influenza		29
Ingrown nail		44
Insomnia		27
Intestinal toxemia		5
Iritis		3
Irritation		
Skin	9	
Unclassified	<u>12</u>	21
Keloid		1
Lagrippe		82
Laryngitis		75
Leucorrhea		1
Lipoma		3
Lumbago		25
Malaise		1
Malaria		1
Mastitis		3
Measles		1
Menorrhagia		28
Metatarsalgia		53
Migraine		6
Miliaria		2
Milium		5
Mumps		72
Myalgia		25
Myasthenia		2
Mycosis		890
Mydriasis		1
Myopia		11
Myositis		138
Nausea		7
Nasal obstruction		3





Nervousness		18
Neisserian infection		2
Nephritis		8
Neuralgia		
Face	5	
Intercostal	8	
Unclassified	<u>16</u>	29
Neurasthenia		7
Neuritis		37
Neurosis		8
Nevus		23
Nocturia		1
Nocturnal emissions		1
Nostalgia		1
Obesity		4
Ophthalmitis		1
Orchitis		6
Otalgia		17
Otitis		
Externa	27	
Media	<u>86</u>	113
Overweight		11
Painful		
Arch	34	
Knee	1	
Miscellaneous	<u>75</u>	110
Paralysis		
Infantile	1	
Unclassified	<u>2</u>	3
Paronychia		39
Podiculosis		
Pubis	35	
Unclassified	<u>8</u>	43
Pericarditis		1
Periostitis		12
Pharyngitis		
Acute	312	
Chronic	4	
Naso	140	
Unclassified	<u>923</u>	1379
Phimosis		7
Pityriasis		21
Pleurisy		35
Poisoning		
Ivy	5	
Ptomaino	10	
Unclassified	<u>3</u>	18
Poliomyelitis		2
Polypus, nasal		2
Polyuria		1
Poor Posture		3



Prostatitis		5
Prurigo		1
Pruritis		9
Psoriasis		7
Psychosis		4
Pterygium		1
Ptosis		1
Pustulo		13
Pyclitis		4
Pyorrhoea		9
Pyuria		3
Rales		7
Regurgitation, mitral		13
Retraction, ear drum		3
Rheumatism		9
Rhinitis		
Acute	56	
Chronic	12	
Unclassified	<u>276</u>	344
Rubella		1
Scabies		40
Scarlet fever		2
Schalazeon		1
Sciatica		1
Scoliosis		3
Seborrhoea		8
Sesamoid bone		1
Sinusitis		191
Soreness, muscle		2
Spur		6
Stiff neck		2
Stomatitis		
Aphthous	143	
Unclassified	<u>7</u>	150
Synovitis		8
Swollen		
Gland	1	
Leg	2	
Miscellaneous	<u>4</u>	7
Tachycardia		27
Tenosynovitis		81
Thyroid, enlarged		1
Thyroiditis		1
Tinea		
Circinata	24	
Cruris	122	
Unclassified	<u>54</u>	200
Tinnitus aurium		1
Tonsillitis		
Acute	38	
Chronic	5	
Unclassified	<u>92</u>	135



Toothache		9
Torn ligament		2
Torticollis		25
Tracheitis		14
Tuberculosis		4
Tuberosity		1
Tumor		6
Ulcer		48
Underweight		19
Urethritis		
Chronic	1	
Unclassified	<u>16</u>	17
Urticaria		69
Uvula congested		1
Vaccinia		47
Varicocele		4
Varicose veins		9
Verruca (wart)		680
Vertigo		14
Vesicle		10
Visceroptosis		1
Vitiligo		1
Vomiting		2
Weak ankle		4
Whitlow		3
Wound, gunshot		3
Worms		3

#### INJURIES, WOUNDS, SPRAINS

Abrasion	
Ankle	7
Arm	24
Back	2
Buttocks	4
Elbow	18
Eyelid	8
Face	12
Finger	85
Foot	37
Gum	3
Hand	54
Head	7
Heel	11
Knee	68
Leg	47
Nose	6
Penis	3
Shoulder	3
Skin	3





Abrasion (cont'd)

Thigh	7	
Toe	19	
Miscellaneous	34	
Unclassified	<u>12</u>	474

Blister

Heel	86	
Foot	56	
Toe	39	
Miscellaneous	21	
Unclassified	<u>15</u>	217

Broken

1  
32

Bruise

Burn

Acid	15	
Chemical	6	
Sunburn	8	
Miscellaneous	5	
Unclassified	<u>20</u>	54

Arm

Back	18
Eye	5
Face	10
Finger	9
Foot	36
Hand	3
Head	52
Leg	1
Mouth	7
Neck	4
Shoulder	1
Toe	2
Wrist	1
Miscellaneous	8
Unclassified	<u>11</u>
	<u>27</u>

195

249

Contusion

Arm	4
Back	8
Bone	14
Chest	7
Ear	2
Eye	10
Face	2
Finger	54
Foot	22
Forehead	1
Head	6
Hand	16
Heel	17



Contusion (cont'd)

Jaw		4	
Joint			
Ankle	5		
Elbow	13		
Hip	3		
Knee	32		
Wrist	<u>6</u>	59	
Leg		24	
Lip		4	
Neck		3	
Nose		19	
Scalp		3	
Scrotum		2	
Shoulder		12	
Side		1	
Spine		2	
Testicle		1	
Thigh		2	
Toe		28	
Miscellaneous		20	
Unclassified		<u>7</u>	328
Dislocation			
Cartilage		6	
Elbow		1	
Finger		1	
Shoulder		1	
Unclassified		<u>2</u>	10
Foreign body			
Eye		139	
Finger		34	
Hand		4	
Throat		1	
Miscellaneous		16	
Unclassified		<u>6</u>	200
Fracture			
Bones			
Ankle	5		
Arm	5		
Fibula	2		
Foot	4		
Hand	2		
Hip	1		
Jaw	1		
Metacarpal	1		
Nasal septum	4		
Rib	4		
Toe	<u>5</u>	34	
Joints			
Finger	10		
Wrist	<u>3</u>	13	
Unclassified		<u>2</u>	49



Infections

Abrasion	5
Ankle	1
Arm	6
Axillar	2
Blister	13
Cheek	3
Clavus	4
Comedo	1
Cyst	25
Ear	8
Elbow	7
Eye	5
Eyelid	2
Face	9
Finger	92
Foot	37
Gum	24
Hand	21
Head	1
Heel	14
Knee	4
Leg	13
Mouth	3
Neck	5
Nose	8
Sinus	1
Skin	1
Throat	2
Toe	91
Tonsils	17
Tooth	5
Verruca	4
Wound	4
Wrist	5
Miscellaneous	38
Unclassified	<u>16</u>

496

Injured

Ankle	6
Arm	1
Back	7
Elbow	7
Eye	2
Finger	31
Foot	15
Hand	6
Knee	20
Leg	6
Muscle	4
Nose	4



Injured (cont'd)		
Shoulder	4	
Skull	1	
Toe	13	
Vertebrae	3	
Wrist	6	
Miscellaneous	27	
Unclassified	4	
Lacerations		
Arm	4	
Ear	1	
Eye	10	
Elbow	2	
Face	4	
Finger	104	
Foot	2	
Hand	36	
Head	1	
Knee	2	
Leg	5	
Lips	4	
Mouth	2	
Nose	1	
Scalp	5	
Toe	4	
Wrist	1	
Wound	34	
Miscellaneous	13	
Unclassified	<u>8</u>	243
Perforation, wound		3
Puncturo, wound		20
Sprain		
Ankle	281	
Arm	5	
Back	18	
Elbow	8	
Finger	45	
Foot	22	
Hand	4	
Hip	2	
Intercostals	3	
Jaw	2	
Knee	51	
Leg	1	
Neck	3	
Sacroiliac	13	
Shoulder	15	
Thumb	25	
Toe	6	
Wrist	60	
Miscellaneous	3	
Unclassified	<u>3</u>	570





Strain	
Abdomen	1
Ankle	35
Arm	7
Back	27
Eye	131
Foot	27
Knee	28
Leg	4
Muscle	53
Neck	6
Sacroiliac	24
Shoulder	10
Thigh	1
Thumb	2
Wrist	14
Miscellaneous	6
Unclassified	<u>3</u>
	<u>379</u>

Grand Total - - - - - 3468

#### RECAPITULATION

Pharyngitis	1379
Coryza	1225
Mycosis	890
Verruca	680
Furunculosis	512
Albuminuria	431
Bronchitis	387
Rhinitis	344
Ceruminosis	328
Dermatitis	243
Conjunctivitis	201
Acne	200
Tinea	200
Sinusitis	191
Impetigo	163
Cyst	158
Stomatitis	150
Myositis	138
Tonsillitis	135
Hordeolum	128
Otitis	113
Painful arch, knee, etc.	110
Herpes	93
Clavus	92
Constipation	91
Appendicitis	89



Lagrippe	82
Gastritis	81
Tenosynovitis	81
Headache	80
Adenitis	78
Fatigue	76
Laryngitis	75
Mumps	72
Callosity	69
Colitis	69
Urticaria	69
Gingivitis	62
Indigestion	57
Metatarsalgia	53
Bursitis	51
Cellulitis	51
Impacted molar	51
Dysmennorrhea	50
Epistaxis	48
Ulcor	48
Entoritis	47
Vaccinia	47
Caries, dental	46
Ingrown nail	44
Pediculosis	43
Gastroenteritis	42
Scabies	40
Paronychia	39
Bites and stings	37
Neuritis	37
Hemorrhoids	35
Pleurisy	35
Abdominal pain	34
Angina	33
Arthritis	33
Diarrhea	32
Abscess	31
Flat foot	31
Autointoxication	29
Influenza	29
Menorrhagia	28
Asthma	27
Blepharitis	27
Insomnia	27
Tachycardia	27
Cough	26
Lumbago	25
Myalgia	25
Torticollis	25
Hernia	24
Nevus	23



Fissure	21
Irritation	21
Pityriasis	21
Inflammation	20
Deviation, nasal septum	19
Eczema	19
Underweight	19
Edema	18
Nervousness	18
Poisoning	18
Allergy	17
Otalgia	17
Urethritis	17
Excoriation	15
Fainting	15
Heat rash	15
Hemorrhage	15
Hay fever	14
Tracheitis	14
Vertigo	14
Bunion	13
Pustule	13
Regurgitation, mitral	13
Astigmatism	12
Epidermophytosis	12
Hyperhidrosis	12
Periostitis	12
Erythema	11
Myopia	11
Overweight	11
Bromidrosis	10
Chap	10
Cystitis	10
Exostosis	10
Gonococcus infection	10
Vesicle	10

NINE CASES: Amenorrhea, Dysentery, Hematoma, Hypertension, Pruritis, Pyorrhea, Rheumatism, Toothache, Varicose Veins

EIGHT CASES: Nephritis, Neurosis, Seborrhea, Synovitis

SEVEN CASES: Deafness, Nausea, Neurasthenia, Phimosis, Psoriasis, Rales

SIX CASES: Catarrh, Dandruff, Folliculitis, Ganglion, Migraine, Orchitis, Spur, Tumor

FIVE CASES: Carbuncle, Ecchymosis, Flatulence, Hyperthyroidism, Intestinal toxemia, Miliun, Prostatitis





FOUR CASES: Glycosuria, Hyperacidity, Obesity, Psychosis, Pyelitis, Tuberculosis, Varicocoele, Weak Ankle

THREE CASES: Adhesions, Balanitis, Cauliflower ear, Comedo, Glossitis, Granulated eye, Hematuria, Hiccough, Hyperopia, Iritis, Lipoma, Mastitis, Nasal obstruction, Paralysis, Poor posture, Pyuria, Retraction--ear drum, Scoliosis, Whitlow, Wound--gunshot, Worms

TWO CASES: Anemia, Anorexia, Cramp, Diabetes, Epididymitis, Eustachian tube--obstruction of, Floating cartilago, Hypermetropia, Hysteria, Miliaria, Myasthenia, Neisserian infection, Poliomyelitis, Polypus--nasal, Scarlet fever, Soreness--muscle, Stiff neck, Torn ligament, Vomiting

ONE CASE: Achlorhydria, Adenoma, Alopecia, Ankylosis, Bright's disease, Chalazion, Concussion, Curvature of spine (kyphosis), Conduloma, Dry skin, Dysuria, Epilepsy, Empyema, Eustachitis, Fever, Fistula, Frost bite, Gas--cyanide, Halitosis, Hemoptysis, Hodgkin's disease, Hyperplasia, Hypertrophy (turbinates), Keloid, Leucorrhea, Malaise, Malaria, Measles, Mydriasis, Nocturia, Nocturnal emissions, Nostalgia, Ophthalmitis, Polyuria, Pterygium, Ptosis, Prurigo, Pericarditis, Rubella, Schalazion, Sciatica, Sesamoid bone, Swollen gland, Thyroid--enlarged, Thyroiditis, Tinnitus aurium, Tuberosity, Uvula congested, Visceroptosis, Vitiligo



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